

# 2016 West Virginia Integrated Water Quality Monitoring and Assessment Report



west virginia department of environmental protection

# 2016 West Virginia Integrated Water Quality Monitoring and Assessment Report

Prepared to fulfill the requirements of Section 303(d) and 305(b) of the federal Clean Water Act and Chapter 22, Article 11, Section 28 of the West Virginia Water Pollution Control Act for the period of July 2014 through June 2016.

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## 2016 Section 303(d) List

[Supplemental Table A](#) - Previously Listed Waters – No TMDL Developed

[Supplemental Table B](#) - Previously Listed Waters - TMDL Developed

[Supplemental Table B1](#) - Existing TMDL Resolves Newly Identified Impairment

[Supplemental Table C](#) - Water Quality Improvements

[Supplemental Table D](#) - Impaired Waters - No TMDL Development Needed

[Supplemental Table E](#) - Total Aluminum TMDLs Developed

[Supplemental Table F](#) - New Listings For 2016

## 1.0 INTRODUCTION

The federal Clean Water Act contains requirements to report on the quality of a state's waters. Section 305(b) requires a comprehensive biennial report and Section 303(d) requires, from time to time, a list of waters for which effluent limitations or other controls are not sufficient to meet water quality standards (impaired waters). West Virginia code Chapter 22, Article 11, Section 28 also requires a biennial report of the quality of the state's waters.

This document is intended to fulfill West Virginia's requirements for listing impaired waters under Section 303(d) of the Clean Water Act and the Water Quality Planning and Management Regulations, 40CFR130.7. In addition to the list of impaired waters, it explains the data evaluated in the preparation of the list and methodology used to identify impaired waterbodies. Information is provided that allows the tracking of previously listed waters that are not contained on the 2016 list. The United States Environmental Protection Agency (EPA) has recommended these requirements be accomplished in a single report that combines the comprehensive Section 305(b) report on water quality and the Section 303(d) list of waters that are not meeting water quality standards. The format suggested by EPA for this "Integrated Report" includes provisions for states to place their waters in one of the five categories described in Table 1. Waters that are placed in Category 5 are included on the 2016 Section 303(d) List, located in the back of this report (West Virginia 2016 Section 303(d) List).

**Table 1: Integrated Report Categories for West Virginia Waters**

Category	Description
Category 1	Waters fully supporting all designated uses
Category 2	Waters fully supporting some designated uses, but no or insufficient information exists to assess the other designated uses
Category 3	Waters where insufficient or no information exists to determine if any of the uses are being met
Category 4	Waters that are impaired or threatened but do not need a total maximum daily load (TMDL)
4a	Waters that already have an approved TMDL but are still are not meeting standards
4b	Waters that have other control mechanisms in place which are reasonably expected to return the water to meeting designated uses
4c	Waters that have been determined to be impaired, but not by a pollutant (ex. low flow alteration)
Category 5	Waters that have been assessed as impaired and are expected to need a TMDL

This Integrated Report is a combination of the 2016 Section 303(d) List and the 2016 Section 305(b) report. In general, this report includes data collected and analyzed between July 1, 2010 and June 30, 2015, from the state's 32 major watersheds (Figure 1) by the West Virginia Department of Environmental Protection's (DEP's) Watershed Assessment Branch and other federal, state, private and nonprofit organizations.

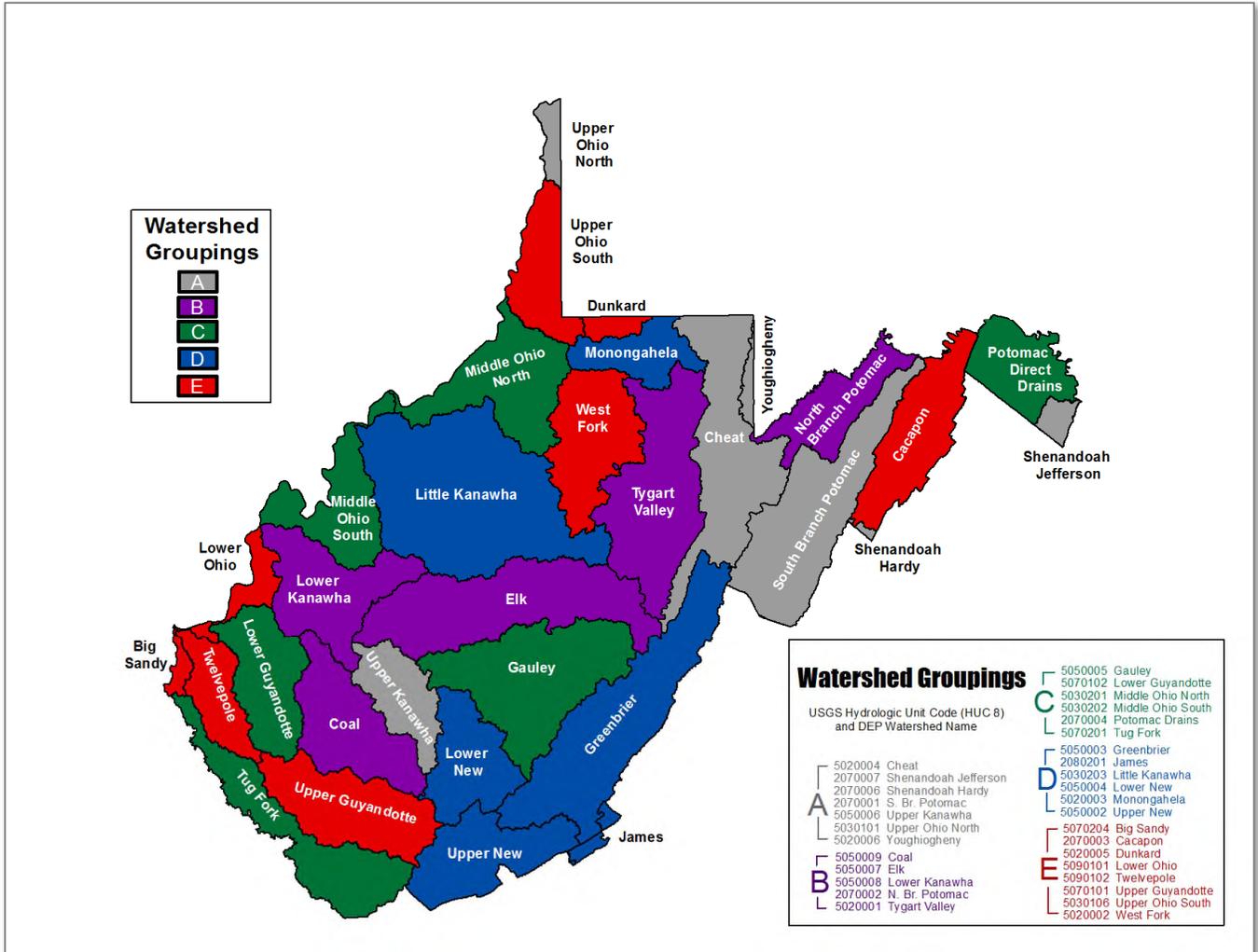


Figure 1: West Virginia Watershed Framework Groupings

## 2.0 WATER QUALITY STANDARDS

Water quality standards are the backbone of the 303(d) and 305(b) processes of the federal Clean Water Act. In West Virginia, the water quality standards are codified as 47CSR2 – Legislative Rules of the Department of Environmental Protection – Requirements Governing Water Quality Standards. Impairment assessments conducted for the 2016 cycle are based upon water quality standards that have received the EPA’s approval and are currently considered effective for Clean Water Act purposes. Information regarding the Water Quality Standards can be found on the DEP’s Web page at:

<http://www.dep.wv.gov/WWE/Programs/wqs/Pages/default.aspx>.

A waterbody is considered impaired if it violates water quality standards and does not meet its designated uses. Some examples of designated uses are water contact recreation, propagation and maintenance of fish

and other aquatic life, and public water supply. Designated uses are described in detail beginning in Section 6.2 of 47CSR2 and are summarized in Table 2. Each of the designated uses has associated criteria that describe specific conditions that must be met to ensure that the water can support that use. For example, the “propagation and maintenance of fish and other aquatic life” use requires the pH to remain within the range of 6.0 to 9.0 standard units, which an example of a numeric criterion. Numeric criteria are provided in Appendix E of the water quality standards.

Designated use attainment is determined by the comparison of available instream values of various water quality parameters to the appropriate numeric or narrative criteria specified for the designated use (see the Assessment Methodology section for more information on use attainment determination). Waterbodies that are impaired by a pollutant are placed on the 303(d) List and scheduled for TMDL development.

**Table 2: West Virginia Water Use Designations**

Category	Use Subcategory	Use Category	Description
A	Public Water	Human Health	Waters, which after conventional treatment, are used for human consumption
B1	Warm Water Fishery	Aquatic Life	Propagation and maintenance of fish and other aquatic life in streams or stream segments that contain populations composed of all warm water aquatic life
B2	Trout Waters	Aquatic Life	Propagation and maintenance of fish and other aquatic life in streams or stream segments that sustain year-round trout populations. Excluded are those streams or stream segments which receive annual stocking of trout but which do not support year-round trout populations
B4	Wetlands	Aquatic Life	Propagation and maintenance of fish and other aquatic life in wetlands. Wetlands generally include swamps, marshes, bogs, and similar areas.
C	Water Contact Recreation	Human Health	Swimming, fishing, water skiing, and certain types of pleasure boating such as sailing in very small craft and outboard motor boats
D1	Irrigation	All Other	All stream segments used for irrigation
D2	Livestock Watering	All Other	All stream segments used for livestock watering
D3	Wildlife	All Other	All stream segments and wetlands used by wildlife
E1	Water Transport	All Other	All stream segments modified for water transport and having permanently maintained navigation aides
E2	Cooling Water	All Other	All stream segments having one or more users for industrial cooling
E3	Power Production	All Other	All stream segments extending from a point 500 feet upstream from the intake to a point one-half mile below the wastewater discharge point.
E4	Industrial	All Other	All stream segments with one or more industrial users. It does not include water for cooling

Numeric criteria consist of a concentration value, exposure duration and an allowable exceedance frequency. The water quality standards prescribe numeric criteria for all designated uses. For the “propagation and maintenance of fish and other aquatic life” (Aquatic Life) use, there are two forms: acute criteria that are designed to prevent lethality, and chronic criteria that prevent retardation of growth and reproduction. The numeric criteria for acute aquatic life protection are specified as one-hour average concentrations that are not to be exceeded more than once in a three-year period. The criteria for chronic aquatic life protection are specified as four-day average concentrations that are not to be exceeded more than once in a three-year period. The exposure time criterion for human health protection is unspecified, but there are no allowable exceedances.

Water quality criteria also can be written in a narrative form. For example, the water quality standards contain a provision stating that wastes, present in any waters of the state, shall not adversely alter the integrity of the waters or cause significant adverse impact to the chemical, physical, hydrologic, or biological components of aquatic ecosystems. Narrative criteria are contained in Section 3 of 47CSR2. More information regarding the use of narrative criteria is contained in the Use Assessment Procedures section.

### **Ohio River Criteria**

For the Ohio River, both the Ohio River Valley Water Sanitation Commission (ORSANCO) and West Virginia water quality criteria were considered, as agreed upon in the ORSANCO compact. Where both ORSANCO and West Virginia standards contain a criterion for a particular parameter, instream values were compared against the more stringent criterion. The DEP supports ORSANCO’s efforts to promote consistent decisions by the various jurisdictions with authority to develop 305(b) reports and 303(d) lists for the Ohio River. In support of those efforts, West Virginia has and will continue to work with ORSANCO and the other member states through a workgroup charged with improving consistency of 305(b) reporting among compact states. ORSANCO standards may be reviewed at: <http://www.orsanco.org/programs/pollution-control-standards/>

## **3.0 SURFACE WATER MONITORING AND ASSESSMENT**

This section describes West Virginia’s strategy to monitor and assess the surface waters of the state. The DEP’s Division of Water and Waste Management (DWWM) collects most of the state’s water quality data. The Watershed Assessment Branch (WAB) of DWWM is responsible for general water quality monitoring and watershed assessment. The remainder of this section describes the monitoring and assessment activities conducted by the WAB. Table 3 provides a summary of monitoring activities. In addition, WAB water quality data and biological data is currently available at:

<https://apps.dep.wv.gov/dwwm/wqdata/>

The data at this site is continually updated as the site is live-linked to the database.

### **3.1 Streams and Rivers**

West Virginia has a comprehensive strategy for monitoring flowing waters, by far the most prevalent surface waterbody type in the state. The Watershed Assessment Branch utilizes a tiered approach, collecting data from long-term monitoring stations, targeted sites within watersheds on a rotating basin schedule, randomly selected sites, and sites chosen to further define impaired stream segments in support of TMDL development. The following paragraphs present these approaches in further detail.

### **3.2 Probabilistic (Random) Sampling**

In 1997, the DEP's Watershed Assessment Branch began sampling sites selected through the Environmental Protection Agency's random stratified procedure to better assess the ecological health of watersheds and ecoregions within the state. The data generated from this random stratified (also known as probabilistic) sampling effort allows the DEP and the EPA to make statistically valid comparisons of aquatic integrity between watersheds and ecoregions. The data also assists in monitoring long-term trends in watershed and ecoregion health. Further details are provided in the section titled Probabilistic Data Summary.

### **3.3 Ambient Water Quality Monitoring Network**

The ambient water quality monitoring network concept was established in the mid-1940s. The network currently consists of 26 fixed stations that are sampled bi-monthly. Sampling stations are generally located near the mouths of the state's larger rivers and are co-located with USGS stream gages. The data provides information for trend analyses, general water quality assessments and pollutant loading calculations, and allows water resources managers to quickly gauge the health of the state's major waterways. The stations are displayed on Figure 2 and listed below.

- |                                       |                                      |
|---------------------------------------|--------------------------------------|
| 1. Shenandoah River at Harpers Ferry  | 14. Kanawha River at Winfield        |
| 2. Opequon Creek east of Bedington    | 15. Guyandotte River at Huntington   |
| 3. Cacapon River near Great Cacapon   | 16. Twelvepole Creek south of Ceredo |
| 4. South Branch of the Potomac River  | 17. Tug Fork at Fort Gay             |
| 5. Cheat River at Albright            | 18. Guyandotte River at Pecks Mill   |
| 6. Cheat River below Cheat Lake       | 19. Coal River at Tornado            |
| 7. Monongahela River in Star City     | 20. Elk River at Coonskin Park       |
| 8. Dunkard Creek east of Pentress     | 21. Kanawha River at Cheylan         |
| 9. Tygart Valley River at Colfax      | 22. Gauley River at Beech Glen       |
| 10. West Fork River at Enterprise     | 23. New River above Gauley Bridge    |
| 11. Middle Island Creek at Arvilla    | 24. Greenbrier River at Hinton       |
| 12. Hughes River west of Freeport     | 25. New River at Hinton              |
| 13. Little Kanawha River at Elizabeth | 26. New River at Virginia State line |

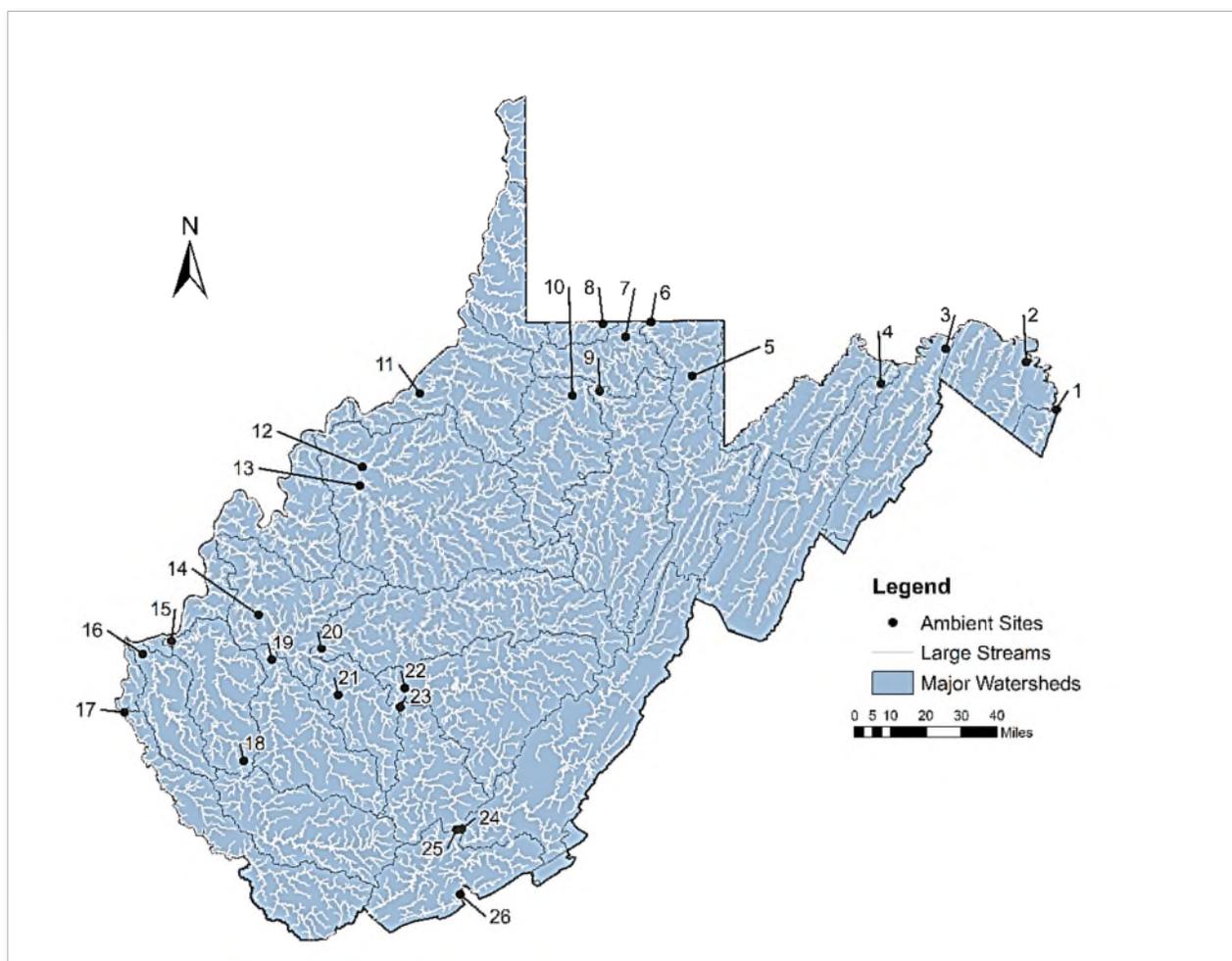


Figure 2: West Virginia Ambient Monitoring Sites

### 3.4 Targeted Monitoring

Targeted monitoring has been a component of West Virginia's assessment strategy since the Watershed Assessment Program's inception in late 1995. Streams are sampled on a five-year rotating basin approach. Sites are selected from the watersheds targeted for sampling each year. Each site is subjected to a one-time evaluation of riparian and instream habitat, basic water quality parameters, and benthic macroinvertebrate communities.

Sites are selected to meet a variety of informational needs in the following areas:

- Impaired streams
- Reference (minimally impacted) streams
- Spatial trends (multiple sites on streams exceeding 15 miles in length)
- Areas of concern as identified by the public and stakeholders
- Previously unassessed streams

### 3.5 Pre-Total Maximum Daily Load (TMDL) Development Monitoring

The major objective of this effort is to collect sufficient data for Total Maximum Daily Load (TMDL) modelers to develop stream restoration plans. Pre-TMDL monitoring has traditionally followed the framework cycle, i.e., impaired streams from watersheds in hydrologic group A were sampled in the same year as sampling by other stakeholder agencies participating in the watershed management framework. The 303(d) List is the basis for initial site selection and additional sites are added to comprehensively assess tributary waters and to allow identification of the suspected sources of impairment. More recently, to address impairments that have been listed for several years, watersheds are being selected for TMDL development outside of the schedule established by the framework cycle. Pre-TMDL monitoring is intensive, consisting of monthly sampling for parameters of concern, which captures data under a variety of weather conditions and flow regimes. Pre-TMDL monitoring also includes an effort to locate the specific sources of impairment, with particular attention paid to identifying non-point source land use stressors as well as any permitted facilities that may not be meeting their permit requirements. For more information, see the TMDL Development Process section.

### 3.6 Lakes and Reservoirs

The DEP resumed a lake monitoring component in 2006 that focuses on water quality, collecting field parameters (dissolved oxygen, pH, temperature, and conductivity), nutrient data, clarity, and chlorophyll a. Multiple sites are sampled in larger lakes and profile data for temperature and dissolved oxygen are obtained.

The DEP added the collection of benthic macroinvertebrates to the lake monitoring program in 2011. Collections are made from near shoreline habitat using jabs and sweeps with a d-net. Plans are to eventually develop an IBI for use in lakes.

Many of West Virginia's largest reservoirs are controlled by the U.S. Army Corps of Engineers. Although the Corps' primary mission is to manage structures to provide navigation and flood control, the agency also is committed to water quality management. Data generated by the Corps has been used for assessment purposes.

Additional lake information is available from the West Virginia Division of Natural Resources (DNR). The DNR, one of the signatory agencies in the Partnership for Statewide Watershed Management, conducts fish community surveys on many of the state's reservoirs.

### **3.7 Wetlands**

DEP contributes to the management of the State's wetlands. The current total acreage of wetlands within the state is approximately 89,000 acres and comprises less than one percent of the State's total acreage (National Wetlands Inventory: WV 1980-86) yet are critical to the overall health of our state's aquatic resources by reducing the impacts of floods, removing pollutants, and providing habitat to a wide variety of plants and animals found nowhere else. Management efforts are currently geared toward protection of wetlands by regulatory proceedings or acquisition. Permitting authority for activities impacting wetlands (Section 404) lies with the U. S. Army Corps of Engineers. DEP supports protection through the Section 401 certification program.

Since the submission of the last 305(b) report, DEP's Watershed Assessment Branch has assumed the responsibilities of an EPA Wetlands Development Grant funded project to develop functional assessments for West Virginia's wetlands. The indices developed for the assessment will be used throughout the state to better describe the values that different wetlands can provide in terms of water quality, flood attenuation, wildlife habitat, and recreational, aesthetic, educational functions. The goal of this team is to create a desktop GIS Wetland Assessment Tool (Level I), and to refine the West Virginia Wetland Rapid Assessment Method, WVWRAM (Level II). These two assessments are designed to enable calculation of debits and credits for wetland impacts and mitigation sites. These may be incorporated into the WV Stream and Wetland Valuation Metric (SWVM) which is used by the U.S. Army Corp of Engineers and the WV Integrated Review Team to assess impacts in West Virginia.

As of December 2017, the initial GIS work and related programming for the Level I assessment has been completed, and we now have functional scores for all 43,124 mapped wetlands in the state. Improvements to the field assessment component, the WVWRAM, were made prior to the 2017 field season and were utilized at approximately 25 sites with assistance from several state and federal wetland experts. Based in input received following the 2017 effort, the forms, spreadsheets, and training manuals for the WVWRAM will be further modified and further testing of the protocols will be completed during the summer of 2018.

**Table 3: Current and Future Monitoring Activities**

Monitoring	Effort
Ambient	26 Ambient Sites are currently and will continue to be monitored monthly (Monongahela River Basin Sites) or bi-monthly
Probabilistic	A fourth round of probabilistic monitoring was completed in 2017. A fifth round will be started in 2018.
Pre-TMDL	Pre-TMDL development monitoring was completed for the Hughes River of the Little Kanawha River watershed, as well as for the mainstem of the Monongahela River by June 2015. Monitoring was completed in the Upper Guyandotte River watershed in 2016 and for select streams in the Lower Ohio, Big Sandy, and Twelvepole Creek watersheds in 2017. Pre-TMDL monitoring for Lower Guyandotte will be completed in 2018.
Targeted	Targeted Sampling was completed at 246 sites on 202 streams in 23 watersheds representing all Five Hydrologic Groups (A-E) from 2014 through 2016.
Lakes	Nine lakes within Group D, 10 lakes in Group E and 11 lakes in group in Group A were sampled a minimum four times during the May – October assessment seasons of 2014 – 2016.
Continuous	Water quality meters were deployed at 133 locations on 97 streams during the 2014 – 2016 term. Parameters measured include pH, temperature, conductivity, and dissolved oxygen.
Long Term	Long Term Monitoring Sites (LTMS or LitMuS) – 195 sites were sampled during the 2014 – 2016 sampling seasons representing all five Hydrologic Groups.

### 3.8 Citizen Monitoring

West Virginia Save Our Streams is the state’s volunteer water quality monitoring program. Initiated in 1989, this program encourages citizens to become involved in the improvement and protection of the state’s streams. Save Our Streams has two main objectives. First, it provides the state with enhanced ability to monitor and protect its surface waters through increased water quality and aquatic life monitoring. Second, it improves water quality through educational outreach to the state’s citizens. Training workshops are conducted regularly throughout the state to train, certify and provide quality assurance. A major improvement in data accessibility for the program has been the development of an online Volunteer Assessment Database (VAD):

<http://www.dep.wv.gov/WWE/getinvolved/sos/Pages/VAD.aspx>

Volunteer monitors can register and enter their own data online. The coordinator acts as the database administrator to verify the quality of the information before it is approved and included in the VAD. The database is available for public viewing without registration. In addition, the program periodically prepares the “State of Our Streams” report and coordinates with partners to undertake water quality studies within the state as well as other portions of the Mid-Atlantic region. To learn more visit: <http://www.dep.wv.gov/sos>.

## 4.0 ASSESSED DATA

In addition to data collected by the WAB, the agency considered data from external sources for assessment. The agency sought water quality information from various state and federal agencies, including other DEP programs. Specific requests for data were made to state and federal agencies known by the DEP to generate water quality data. Additionally, news releases and public notices requesting data submissions were published in state newspapers and on the DEP Water and Waste Management's website. The DEP has developed guidance for those wishing to submit data to be assessed for 303(d) list development. The guidance includes a list of requirements for data assembly and submission, along with helpful internet links and a checklist for data submitters. The guidance is available at:

<http://dep.wv.gov/WWE/watershed/IR/Pages/Third-Party-Data-Guidelines.aspx>

Entities that provided information in response to the agency's request for data for the 2016 Section 303(d) list are shown in Table 4. External data received and qualified in the preparation of previous Section 303(d) lists were reconsidered in the 2016 review.

**Table 4: Data contributors for the 2016 303(d) List and Integrated Report**

Friends of Blackwater	WVDA/Rocky Marsh
Cacapon Institute/Sleepy Creek	US Forest Service
Plateau Action Network	WV Department of Agriculture
US Geological Survey	National Park Service
Friends of Hughes River	Friends of Deckers Creek
Blue Ridge Watershed Coalition	Trout Unlimited
Mammoth Coal, Martin Marietta, NESCO	Fola Coal Company, LLC

All readily available data were considered during the evaluation process. The DEP's staff reviewed data from external sources to ensure that collection methods, analytical methods, detection levels, quality assurance and quality control were consistent with approved procedures. In select instances when contributors reported on malfunctions in their pH probes, pH data were excluded. The DEP generally used water quality data with sample dates between July 2010 and June 2015, intentionally limiting the use of data more than five years old. However, in the absence of newer information, previous assessments are carried forward even if the data becomes older than five years. In specific instances, more recent data were considered. Additionally, if a water quality criteria change is approved which affects an older assessment, the new assessment is based upon the current criteria.

Waters are not deemed impaired based upon water quality data collected when stream flow conditions are less than 7Q10 flow (the seven-consecutive-day average low flow that recurs at a 10-year interval) or within regulatory mixing zones. Further, waters are not deemed impaired based upon "not-detected" analytical results from methodologies that have detection limits that are not sensitive enough to confirm criteria compliance. For example, a dissolved aluminum result of "not detected" using a method with a detection limit of 0.1 mg/l would not prompt a dissolved aluminum listing for trout waters with a criterion of 0.087 mg/l.

## 5.0 USE ASSESSMENT PROCEDURES

The primary focus of this report is to assess water quality information and determine if the designated uses of state waters are impaired. This section describes the various protocols used to determine use impairment.

### 5.1 Numeric Water Quality Criteria

The decision methodology for numeric water quality criteria used in preparation of the 2016 Section 303(d) list are consistent with those used in 2014 listing cycle. Table 5 summarizes the rationale used to make 303(d) impairment decisions relative to numeric water quality criteria period for various datasets.

Typically, if an ample data set exists and exceedances of chronic aquatic life protection and/or human health protection criteria occur more than 10 percent of the time, the water is considered to be impaired. If the rate of exceedance demonstrated is less than or equal to 10 percent, then the water is considered to be meeting the designated use under evaluation. Ample data sets are defined as sets with 20 or more distinct observations or samples in the five-year period used for evaluation in this listing cycle (July 2010 to June 2015). If fewer than 20 samples per station (or representative area) exist and three or more values exceed a criterion value, then the water also is considered impaired. For this scenario (three observed violations), if additional non-exceeding monitoring results were available that would increase the data set size up to 29 observations, a greater than 10 percent exceedance frequency would still exist.

Under West Virginia Water Quality Standards, acute aquatic life protection criteria have associated exposure durations of one hour and may be exceeded once every three years. The normal practice of “grab-sampling” ambient waters is generally consistent with the one-hour exposure duration specified in the standards. Therefore, a direct application of the allowable exceedance frequency provided in the standards is made when assessing impairment relative to acute aquatic life protection criteria. If two or more exceedances of acute criteria are observed in any three-year period, the water is considered impaired.

If the data being evaluated is generated as part of a comprehensive network being monitored for a specific purpose, the data may be assigned a higher level of assessment quality, and the “10-percent rule” may be applied with confidence to data sets containing less than 20 observations per station. The primary example of an intensified monitoring program that generates higher assessment quality data is that which is conducted by the DEP to support TMDL development. The pre-TMDL monitoring format includes flow measurement and monthly water quality monitoring for one year at multiple locations throughout a watershed. Information is generated over a range of stream flow conditions and in all seasons. Habitat assessment and biological monitoring are performed in conjunction with water quality monitoring. The information generated under this format is among the most comprehensive available for assessing water quality. Upon conclusion of monitoring, it is then necessary for agency personnel to make a definitive judgment relative to impairment. In most instances, application of the “10-percent rule” to the pre-TMDL monitoring data sets result in the classification of waters as impaired if two or more exceedances of a criterion are demonstrated.

Additionally, the DEP does not interpret the impacts of a single pollution event as representative of current conditions if it is believed that the problem has been addressed. Similarly, the DEP does not intend to interpret the results of clustered monitoring of a single event as being representative of water quality conditions for longer time periods. Datasets are screened for excessive clustering of monitoring, in space or time, to avoid misinterpretation. No data were excluded based on a single pollution event or clustered monitoring of a single event for the 2016 assessment cycle.

The DEP’s lake assessment of chlorophyll a and total phosphorus results were based on the average of a minimum of four samples collected within the May 1 through October 31 sampling season.

**Table 5: Numeric water quality decision rationale for listing of impaired waters.**

Water Quality Criteria	Impairment Thresholds	Additional Considerations
Acute Aquatic Life Protection (Use Category B)	The water is impaired if two exceedances of acute aquatic life protection numeric criteria occur within any three-year period.	If, in the most recent three-year period, no exceedances of criteria are evidenced and at least 12 monitoring results are available, then the water may be considered “not impaired.”
Chronic Aquatic Life Protection (Use Category B) Human Health Protection (Use Categories A and C)	The water is impaired if a greater than 10% frequency of exceedance is demonstrated in an ample dataset (20 or more available observations). The water is impaired if three exceedances of criteria occur with less than 20 available monitoring results. The water is impaired if a greater than 10% frequency of exceedance is demonstrated with less than 20 available observations, if the data being evaluated is of high assessment quality (two or more violations)	If, for waters with regularly scheduled monitoring, in the most recent two-year period, no exceedances of criteria are evidenced and at least eight observations are available, then the water may not be considered impaired.

## 5.2 Segmentation of Streams

The majority of newly listed streams were identified as impaired for their entire length. Segmentation occurred only in limited situations involving streams with impoundments or alternative designated uses, or when knowledge of a specific pollutant source allowed clear distinction of impaired and unimpaired segments or streams with multiple monitoring locations with differing results. Multiple sample site stream segmentation, when done, is accomplished by continuing an assessed condition until samples from additional sites demonstrate a change in water quality. In other words, if water quality results from one site indicate impairment, the stream is considered impaired until downstream or upstream samples indicate compliance with the water quality criterion.

Segmentation based upon the limited amount of water quality monitoring data that is usually available may not accurately portray the extent of impairment and may contradict the ultimate findings of the TMDL

that the listing mandates. The DEP believes the TMDL development process, which links extensive water quality monitoring and source tracking efforts with pollutant sources through computer modeling, provides the best assessment of criterion attainment and the most accurate identification of the watershed sources for which pollutant reductions are necessary. TMDL modeling predicts water quality over a wide range of climatic and stream flow conditions, incorporates the specific exposure duration and exceedance frequency terms of water quality criteria and prescribes pollutant/s allocations that will result in attainment of criteria in all stream segments.

### 5.3 Evaluation of Continuous Monitoring Data

The DEP uses deployable sondes to collect data on a continuous basis on selected streams. The sampling methodology uses submerged electronic probes that collect data continuously for a period of time ranging from several days to several months. Sondes or continuous monitoring instruments are especially effective for evaluating the specific requirements of water quality criteria for parameters such as pH and dissolved oxygen. For example, the pH criterion states that water quality values should remain between 6.0 and 9.0 standard units at all times (exception for waters with high photosynthetic activity). The use of continuous monitors allows the DEP to better assess if streams are meeting water quality criteria. DEP is currently developing a method to assess the vast amount of data collected by continuous monitoring instruments. The methodology must address both the magnitude and frequency of violation stipulated in current water quality criteria. DEP plans to develop a continuous monitoring assessment methodology for use in the 2018 cycle.

### 5.4 Evaluation of Fecal Coliform Numeric Criteria

Fecal coliform assessments were based on the previously described decision criteria for numeric water quality criteria (Section 5.1). Given the complexity of fecal coliform criteria, most assessments are performed by comparing observations to the “maximum daily” criterion value of 400 counts/100ml. Evaluation of the monthly geometric mean fecal coliform criterion (200 counts/100ml) occurs only where five or more individual sample results are available within a calendar month.

Numeric fecal coliform water quality criteria are applicable to the Water Contact Recreation and Public Water Supply designated uses. Section 8.13 of Appendix E of the West Virginia Water Quality Standards states:

*8.13 Maximum allowable level of fecal coliform content for Primary Contact Recreation shall not exceed 200/100ml as a monthly geometric mean based on not less than five samples per month; nor to exceed 400/100ml in more than 10 percent of all samples taken during the month.*

*8.13.1 Ohio River mainstem (zone I) - During the non- recreational season (November through April only) the maximum allowable level of fecal coliform for the Ohio River (either MPN or MF) shall not exceed 2000/100 ml as a monthly geometric mean based on not less than 5 samples per month.*

A practical difficulty exists in accurate assessment of criteria compliance due to the resource commitment that would be necessary to perform monitoring at a sufficient frequency to make determinations using the geometric mean criteria, since the monthly geometric mean criterion is conditioned upon the availability of at least five distinct sample results in a month. The “maximum daily” criterion is not conditioned by a minimum sample set requirement, but practical use of the apparent 10 percent exceedance allowance would involve at least 10 samples per month.

The most frequent and regular fecal coliform water quality monitoring conducted by the Watershed Assessment Section is once per month. That monitoring frequency precludes assessment of the monthly geometric mean criterion and hampers accurate assessment of the maximum daily criterion. Due to limited resources, more frequent fecal coliform monitoring could only be accomplished by significantly reducing the number of West Virginia streams and/or stations where water quality assessments are performed. The DEP does not consider that to be a reasonable alternative.

The DEP uses the following protocols when making assessments relative to fecal coliform numeric criteria:

1. No assessments are based upon the monthly geometric mean criterion (200 counts/100ml) unless an available data set includes monitoring at five per month or greater frequency. When data sets are available, the listing decision criteria for numeric water quality criteria are applied, considering each monthly geometric mean as an available monitoring result.
2. The listing decision criteria are applied to the maximum daily criterion (400 counts/100ml) and available individual monitoring results, but without the monthly prejudice. For example, if twice per month monitoring is conducted for a year and two results in two separate months are greater than 400, the stream would be assessed as fully supporting (2/24 – 8.3 percent rate of exceedance) rather than basing assessments on two months out of 12 in noncompliance (2/12 – 16.7 percent rate of exceedance). If five samples per month monitoring is conducted for one year and four daily results greater than 400 are measured in four different months, the stream would be assessed as fully supporting (4/60 – 6.7 percent rate of exceedance) rather than noncompliance (4/12 – 33.3 percent rate of exceedance), provided that the monthly geometric means were below the 200 counts/100 ml criteria.

The decision criteria do not provide for 303(d) listing of waters with severely limited data sets and exceedance (i.e., one sample in a five-year period > 400 counts/100ml). Such waters would be classified as having insufficient data available for use assessment. The DEP will target these “fecal one-hit” waters for additional monitoring by incorporating them into the pre-TMDL monitoring plans at the next opportunity for TMDL development in their watershed. Where the intensified pre-TMDL monitoring (monthly sampling for one year) indicates impairment, TMDL development will be immediately initiated, even though the water may not be included in Category 5 of the current Integrated Report.

## 5.5 Evaluation of Ohio River – Total Iron Aquatic Life Standards

Prior to 2012, ORSANCO assessed water quality data along sections of the Ohio River bordering West Virginia based on the state's total iron numeric water quality standard. In 2012, ORSANCO's governing commission began using a weight of evidence approach when assessing all aquatic life standards for its biennial 305(b) report. However, the EPA's Region III office has stated for 303(d) listing purposes, it will only accept assessments based on a philosophy of independent applicability. Therefore, West Virginia's 303(d) assessments for aquatic life will recognize violations based on either water quality or biological survey data. A review of the ORSANCO total iron water quality data revealed violation rates greater than 10 percent for several segments along the state's border and, as such, the segments have been listed as impaired on West Virginia's 2016 303(d) list.

## 5.6 Narrative Water Quality Criteria – Biological Impairment Data

Passage of Senate Bill 562 in the 2012 regular legislative session required DEP to develop and secure legislative approval of new rules to interpret the narrative criterion for biological impairment found in 47 CSR 2-3.2.i. A copy of the legislation may be viewed at:

[http://www.legis.state.wv.us/Bill\\_Text\\_HTML/2012\\_SESSIONS/RS/Bills/SB562%20SUB1%20enr.htm](http://www.legis.state.wv.us/Bill_Text_HTML/2012_SESSIONS/RS/Bills/SB562%20SUB1%20enr.htm)

The narrative water quality criterion of 47CSR2 – 3.2.i. prohibits the presence of wastes in state waters that cause or contribute to significant adverse impact to the chemical, physical, hydrologic and biological components of aquatic ecosystems. Historically, the DEP has interpreted the criterion using the West Virginia Stream Condition Index (WVSCI). The WVSCI is a benthic macroinvertebrate multi-metric index for use in wadeable streams. It is composed of six metrics that were selected to maximize discrimination between streams with known impairments and reference streams. Streams were listed if the data was comparable (e.g., collected utilizing the same methods used to develop the WVSCI, adequate flow in riffle/run habitat, and within the index period). Initially, the WVSCI listing threshold was 60.6, which represented the 5th percentile of reference scores of 68 minus 7.4 points to account for uncertainty. Whereas the WVSCI evaluates biological integrity using only benthic macroinvertebrate data, SB 562 directs the DEP to additionally consider fish in its assessment methodology. The revised assessment methodology called for in SB 562 has not yet been finalized. The development of a multi-assemblage tool has proven to be much more difficult than originally expected.

In its preparation of the Draft West Virginia 2012 Section 303(d) list, the DEP did not add new biological impairments. Previously listed biological impairments were proposed to be retained. In finalizing the

2012 list, the EPA added biological listings to those proposed by the DEP. The EPA considered available benthic macroinvertebrate data and added impairments to the list for biological scores less than 68 under the WVSCI methodology. The EPA determined the uncertainty zone historically used by the DEP was not scientifically supported and therefore used an impairment threshold equal to the 5th percentile of reference scores as originally calculated.

For 2014, the DEP included biological impairment listings based upon the methodology used by the EPA in their 2012 oversight actions. The EPA partially disapproved the DEP's 2014 submission, eventually finalizing the list by adding 28 streams based on a genus level index known as GLIMPSS which has never been used by the DEP for 303(d) listing purposes.

For the 2016 listing cycle, the DEP determined biological impairments based on WVSCI. The DEP maintains that, considering the legislative mandate of SB 562, it would be inappropriate to utilize the GLIMPSS while a new assessment methodology is being developed. That said, the DEP has updated the WVSCI scoring thresholds, based on the current and much larger set of reference site samples available. The WVSCI thresholds were recalculated and are still based on the 5th percentile of reference site index scores. The recalculated impairment threshold used for the 2016 303(d) list is 72.

Each listed stream will be revisited prior to TMDL development. The causative stressor(s) of impairment and the contributing sources of pollution will be identified during the TMDL development process.

Biological impairments identified in the Final West Virginia 2014 Section 303(d) List are proposed to be delisted under the following scenarios:

- Where previous listings were determined to have been made in error.
- Where more recent biological monitoring results demonstrated WVSCI scores greater than 72.
- Where approved TMDLs have been developed pursuant to numeric water quality criteria and the Stressor Identification performed in the TMDL process demonstrated that their implementation would resolve the stress to the benthic macroinvertebrate community that caused the original listing.

Streams that are delisted under the first two scenarios are identified in Supplemental Table A. The prior listings for which surrogate TMDLs address biological impairment are identified in Supplemental Table B

## **5.7 Narrative Water Quality Criteria - Fish Tissue and Consumption Advisories**

The narrative water quality criterion of 47CSR2 – 3.2.e prohibits the presence of materials in concentrations that are harmful, hazardous or toxic to man, animal or aquatic life in state waters. Fish consumption advisories are used to inform the public about potential health risks associated with eating fish from West Virginia's streams. The DEP, the Division of Natural Resources, and the Bureau for Public Health have worked together on fish contamination issues since the 1980s. An executive order from the governor and subsequent Interagency Agreement signed in 2000 formalized the collaborative process for developing and issuing fish consumption advisories.

Risk-based principles are used to determine whether fish consumption advisories are necessary. These advisories are used as a public education tool to help citizens make informed decisions about eating fish caught in state streams. The risk-based approach estimates the probability of adverse health effects and provides a statement on the health risk facing the angler and high-risk groups including women of

childbearing age and children. West Virginia's fish consumption advisories include guidelines on the number of meals to eat and information on proper fish preparation to further minimize risk.

Waterbody-specific fish consumption advisories exist for 12 state streams and five lakes, not including the Ohio River mainstem, for a variety of fish species and contaminants. Additionally, there is a general statewide advisory that recommends limiting the consumption of certain sport-caught fish from all West Virginia waters in relation to low-level mercury and/or polychlorinated biphenyl (PCB) contamination. The statewide advisory provides species-specific recommendations ranging from one meal per week to one meal per month. The following webpage contains the most recently issued West Virginia fish consumption advisories:

<http://www.wvdhhr.org/fish/>

Generally, the presence of contaminants in fish tissue from commonly consumed species in amounts leading to a two meal per month or more stringent advisory is considered sufficient evidence of impairment, with exception to mercury. Methylmercury, instead of mercury, has a specific body-burden criterion for protection of public water supply and water contact recreation designated uses. The criterion states "The total organism body burden of any aquatic species shall not exceed 0.5 µg/g as methylmercury." Therefore, the DEP must apply the criteria to all aquatic species rather than just the commonly consumed fish species. Fish tissue methylmercury assessment is directly based upon the numeric criterion and not upon fish consumption advisories.

In the 2010 listing cycle, the DEP delisted many previous mercury impairments because they were based upon total mercury rather than methylmercury fish tissue concentrations and upon fillet rather than whole body samples. 2016 mercury listings adhere to the specific conditions of the methylmercury criterion (whole-body, methylmercury, species-specific).

The following methodology was used for assessment of methylmercury in fish tissue. The DEP collected fish from selected streams and lakes in West Virginia based on past listings and waters with suspected contamination. Each fish collected was processed separately and analyzed for whole body methylmercury concentration. For 303(d) purposes, the analytical results were assessed as "pseudo-composites" averaging the individual results within like-sized groups to include only fish with a length equal to or greater than 75% of the longest individual fish in each species at each site. This qualification is based on a general rule for compositing of fish tissue samples. The individual results of all qualified fish within each species were averaged to obtain a value for comparison to the criterion. If the average for any species specific pseudo-composite exceeded the 0.5 µg/g criterion, the waterbody was listed as impaired for methylmercury. The methylmercury concentration for a single fish may be used to assess impairment if there are no other like-sized fish to group. The 2016 303(d) list contains six lakes listed as impaired for methylmercury.

For the mainstem Ohio River, the applicable ORSANCO body-burden criterion is 0.3 µg/g. As with previous 303(d) lists, DEP has deferred to ORSANCO's assessment results for mercury listing purposes. ORSANCO's assessment methodology is included in their Biennial Assessment of Ohio River Water Quality Conditions for 2016. ORSANCO's assessment methodology can be found at

<http://www.orsanco.org/publications/biennial-assessment-305b-report/>

## 5.8 Narrative Water Quality Criteria - Algal Blooms

The narrative water quality criterion of 47CSR2 – 3.2.g prohibits algae blooms which may impair or interfere with the designated uses of the affected waters. Significant improvements have been made to the assessment methodology used for this criterion in previous cycles. The new methodology (303(d) Listing Methodology for Algae Blooms) was finalized by the DEP in June 2013 and is available at

<http://www.dep.wv.gov/WWE/Programs/wqs/Documents/Greenbrier%20Algae/AlgaeListingMethodology2014.pdf>

The DEP commissioned research to determine river users' tolerance levels for filamentous algae growth. The report West Virginia Residents' Opinions on And Tolerance Levels of Algae In West Virginia Waters is available at

[http://www.dep.wv.gov/WWE/Programs/wqs/Documents/WVAlgaeSurveReport\\_ResMgmt\\_WVDEP\\_2012.pdf](http://www.dep.wv.gov/WWE/Programs/wqs/Documents/WVAlgaeSurveReport_ResMgmt_WVDEP_2012.pdf).

River users were surveyed to determine how much filamentous algae cover would adversely impact recreational activities. The DEP considered the results of the survey when establishing thresholds for algae blooms that impair the Water Contact Recreation designated use. In general, a stream segment is considered impaired if filamentous algae cover greater than 20% extends for a longitudinal distance greater than three times the average stream width (3xW) OR if filamentous algae cover of greater than 40% is observed, regardless of the longitudinal extent of the bloom.

The DEP also considers streams to be impaired if algae blooms cause taste or odor that interferes with the Public Water Supply designated use. The application of drinking water treatment beyond “conventional treatment” in response to algae blooms is considered direct evidence of use impairment. Additionally, the DEP considers available taste or odor complaints about finished drinking water when assessing the Public Water Supply designated use and may classify the use as impaired even though additional treatment is not implemented.

The application of the assessment methodology to observations from the 2013, 2014, 2015 growing seasons resulted in the following impairments on the 2016 Draft West Virginia 303(d) List:

- Greenbrier River - Stony Creek (MP 12.1) to Howards Creek (MP 50.00)
- Cacapon River – RM 39.0 (North River) to RM 76 (Route 259 Bridge near Wardensville)
- South Branch of Potomac River – RM 23.7 (Johns Run) to RM 58.0 (South Fork)
- Tygart River – RM 73.2 (Grassy Run) to RM 90.1 (Dodson Run) – refinement of 2014 listing

## 6.0 ASSESSMENT RESULTS

### 6.1 Streams

This section contains the results from all the data that has been assessed for West Virginia streams. Table 6 shows a summary of the classification of West Virginia waters under the five “Integrated Report” categories (see Table 1). The results reveal that 22% of West Virginia’s stream miles are in either Category 1 or 2 (fully supporting all or some assessed uses). Category 3, streams with insufficient data, makes up 34% of stream miles, the largest percentage of the five categories. However, that number is somewhat deceiving. The streams with limited data are typically small unnamed tributaries, which usually contribute to the larger waterbodies which have been assessed. All major rivers in the state have data and have been assessed and placed into one of the other four categories. Approximately 44% of West Virginia’s streams are impaired and fall into either Category 4 or 5.

**Table 6: 2016 Category Summary for West Virginia Streams**

Overall Category	# of Stream Segments	% Stream Segments	Miles	% Miles
1	903	8	3,479	11
2	882	7	2,181	7
3	6,341	53	10,490	34
4a	2,514	21	9,545	31
4b	1	0	2	0
4c	32	0	28	0
5	1,326	11	5,398	17
TOTALS	11,999		31,123	

The lists of Category 1, Category 2, and Category 3 waters are quite large; therefore, they are not published in this document. The waters included in these three categories can be viewed in the *Category Designated Use* spreadsheet at:

[http://www.dep.wv.gov/WWE/WATERSHED/IR/Pages/303d\\_305b.aspx](http://www.dep.wv.gov/WWE/WATERSHED/IR/Pages/303d_305b.aspx)

The guidelines used by the DEP to demonstrate use-support for streams (and subsequent classification into Categories 1, 2 or 3) vary for each of the designated uses. “Supporting” assessments for individual uses are made if certain mandatory(requisite) parameters have been monitored and those results demonstrate compliance with criteria. To demonstrate support, aquatic life uses in wadeable streams require benthic macroinvertebrate monitoring and results showing a WVSCI score greater than or equal to 72. Public Water Supply and Water Contact Recreation uses require compliant fecal coliform monitoring and all other uses require compliant pH and dissolved oxygen monitoring. If monitoring results are available for “non-mandatory” (ancillary) parameters, they also must indicate compliance with any criteria prescribed for the use.

Stream segments where mandatory parameters indicate support of all designated uses are placed in Category 1. Stream segments without sufficient data to determine use support or impairment may be placed in either Category 2 or 3. Category 2 houses waters with some uses determined to be supported, but lacking sufficient information to assess other uses. Waters are placed in Category 3 if insufficient or no information exists to determine if any of the uses are being met. An “insufficient data” designation may result where some water quality data are available, but not enough to conclude that the use is supported or impaired, or where water quality data for mandatory (requisite) parameters is absent.

Impaired waters are placed in Categories 4 or 5. Prior to TMDL development, waters impaired by a pollutant are placed on the Section 303(d) List and in Category 5. After TMDLs are developed and approved, those waters are relocated to Category 4a and are identified in Supplemental Table B of this report. Other impaired streams for which TMDLs need not be developed are placed in Categories 4b or 4c. Category 4b includes waters impaired by a pollutant for which other control mechanisms are in place that will reasonably result in the water meeting designated uses. Waters impaired by something other than a pollutant, for which no TMDL can be developed, are categorized as 4c (ex. low flow alterations). Categories 4b and 4c impaired waters are identified in Supplemental Table D.

Category 5 includes 1,322 impaired stream segments, covering approximately 5,388 stream miles that are impaired and need TMDLs developed. The number and length of impaired streams varies from one list year to the next due, in part, to the TMDL development timeline. TMDLs always are in various stages of development, and with the additional sampling data generated, streams and stream segments may move from Categories 1, 2 or 3 to Category 5. Additionally, TMDLs that have not yet been approved by the EPA remain listed in Category 5. Once these TMDLs are approved, those streams and stream segments will move to Category 4a.

## 6.2 Lakes

With the exception of listings based on fish tissue methylmercury results, past Integrated Reports have carried forward lake assessments from the previous listing cycles due to a lack of new data or full EPA approval of numeric nutrient criteria. For the 2016 listing cycle, with full EPA approval of the nutrient criteria for lakes and a data set of sufficient size and temporal spacing to meet criteria assessment requirements, the DEP has updated lake assessments. There are currently seven lakes listed for methylmercury or PCBs, seven lakes have been added to 2016 303(d) List for a total of 14 lakes or lake segments now listed for total phosphorus and/or chlorophyll-a criteria violations.

Protocols for IR categorization of lakes into Categories 1, 2 or 3 were revised in the 2014 cycle. In previous cycles, use support for lakes was based upon numeric water quality data, consistent with guidelines previously described for streams. Previous reports generally placed lakes in Category 1 if data indicating attainment was available for mandatory parameters and other parameters. In contrast to stream categorization where aquatic life use support is conditioned upon available biological monitoring that indicates integrity, the DEP lacks an ability to evaluate biological integrity in lakes. With limited tools, the DEP cannot conclude full support of the aquatic life use in lakes. As such, many of the lakes that were previously in Category 1 were reclassified in Category 2 or 3 (Table 7). Such reclassification does not

indicate a lowering of use support, but instead demonstrates the existing inability to effectively assess aquatic life use support in lakes. The summary tables reflect “number of lake segments” rather than number of lakes. In lakes with multiple assessment locations and clear distinction of water quality, the lake is segmented for assessment purposes.

Table 8 and Table 9 contain a breakdown of use support specific to the use categories for the state streams and lakes as set forth in the Water Quality Standards (47CSR2).

**Table 7: 2016 Category Summary for West Virginia Lakes**

Overall Category	# of Lakes	% Lakes	Acres	% Acres
1	0	0	0	0
2	46	34	6,745	30
3	60	45	3,941	17
4A	6	4	125	1
5	23	17	11,679	52
TOTALS	135		22,490	

**Table 8: Designated use support summary for West Virginia streams.**

Designated Use	Total Streams		Fully Supporting		Fully Supporting		Insufficient Data		Insufficient Data		Unassessed		Unassessed		Not Supporting		Not Supporting	
	#	Miles	#	%	Miles	%	#	%	Miles	%	#	%	Miles	%	#	%	Miles	%
A - Public Water	11,995	31,119	1,662	14	6,429	21	1,207	10	2,403	8	3,219	27	12,443	40	5,907	49	9,845	31
B1 - Warm Water Fishery	10,864	25,830	1,029	9	3,588	14	1,256	12	2,656	10	3,099	29	10,703	42	5,480	50	8,884	34
B2 - Troutwater	1,135	5,293	307	27	2,009	38	195	17	836	16	318	28	1,757	33	315	28	692	13
C - Contact Recreation	11,999	31,123	1,923	16	7,149	23	1,501	13	3,171	10	2,157	18	9,893	32	6,418	53	10,911	35
D - Agriculture and Wildlife	11,999	31,123	4,093	34	16,773	54	892	7	1,648	5	594	5	1,785	6	6,420	54	10,917	35
E - Industrial	11,999	31,123	4,093	34	16,773	54	892	7	1,648	5	594	5	1,785	6	6,420	54	10,917	35

**Table 9: Designated use support summary for West Virginia lakes.**

Designated Use	Total Lakes		Fully Supporting		Fully Supporting		Insufficient Data		Insufficient Data		Unassessed		Unassessed		Not Supporting		Not Supporting	
	#	Acres	#	%	Acres	%	#	%	Acres	%	#	%	Acres	%	#	%	Acres	%
A - Public Water	135	22,490	46	34	6,745	30	5	4	3,397	15	68	50	2,333	10	16	12	10,015	45
B1 - Warm Water Fishery	112	17,070		0		0	41	30	9,360	42	51	38	5,568	25	20	15	2,142	10
B2 - Troutwater	23	5420		0		0	10	7	1,030	5	10	7	4,346	19	3	2	44	0
C - Contact Recreation	135	22,490	50	37	6,850	30	3	2	2,047	9	58	43	1,910	8	24	18	11,683	52
D - Agriculture and Wildlife	135	22,490	50	37	6,850	30	6	4	4,365	19	78	58	11,271	50	1	1	4	0
E - Industrial	135	22,490	50	37	6,850	30	6	4	4,365	19	78	58	11,271	50	1	1	4	0

### 6.3 Causes for Impairment

The list and the summary results of Table 10 and Table 11 provide an overview of the impairment status of West Virginia waters. Some waters are impaired for multiple water quality criteria.

**Table 10: Summary of impairment causes for West Virginia streams.**

Type	Cause	Miles
Stream	Aluminum	1,318
Stream	Ammonia	6
Stream	Bacteria	243
Stream	Beryllium	17
Stream	Bio	6,837
Stream	Chloride	57
Stream	CNA-Algae	126
Stream	Dioxin	352
Stream	DO	67
Stream	Fecal Coliform	8,259
Stream	Iron	8,782
Stream	Low Flow Alterations	44
Stream	Manganese	116
Stream	PCBs	430
Stream	pH	1,354
Stream	Selenium	666
Stream	Temperature, water	2

**Table 11: Summary of impairment causes for West Virginia lakes**

Type	Cause	Acres
Lake	Chlorophyll-A	1,148
Lake	DO	4
Lake	Iron	54
Lake	Methylmercury	9,826
Lake	PCBs	630
Lake	Phosphorus	1,217
Lake	Sedimentation/Siltation	189
Lake	Trophic State Index	96

## 7.0 PROBABILISTIC DATA SUMMARY

The goal of DEP's probabilistic monitoring program is to provide statistically unbiased estimates of stream condition throughout a particular region (i.e., watershed, ecoregion or state) without assessing every stream mile in that region. This approach can be used to describe various aspects of stream condition

including, the proportion of stream miles with biological impairment, the proportion of stream miles with specific water quality criterion violations, and the characterization of the relative importance of stressors such as sedimentation or acid precipitation. The target population for these efforts was small to medium sized (1st - 4th order) wadeable streams. Ninety-eight percent of West Virginia's stream miles are of this size class and approximately 70% of these are wadeable. The probabilistic design used for this summary allows DEP to characterize overall water quality conditions at an ecoregion scale (Figure 3), basin scale (Figure 4), and statewide. The 'basins' are groups of four to six 8-digit HUC watersheds that provide data sufficient to develop estimates of condition with fairly small confidence boundaries. Probabilistic assessment sites were distributed within the three major ecoregions in West Virginia: the Western Allegheny Plateau (70), Central Appalachians (69), and Ridge and Valley (67). Due to its small extent in West Virginia, the Blue Ridge Mountain Ecoregion (66) was combined with Ecoregion 67 for assessments and data analysis. The data used for these analyses are from 313 sites that were sampled at baseflow conditions during the late spring/early summers of 2010 – 2015.

The probabilistically selected sites are assessed using three broad categories of aquatic integrity indicators: biological community quality; water quality; and habitat quality. From these, several individual indicators were chosen to help illustrate the condition of West Virginia's rivers and streams during the period of interest in this report. They are presented for statewide, the three "ecoregions" and six "basins" shown in the figures below.

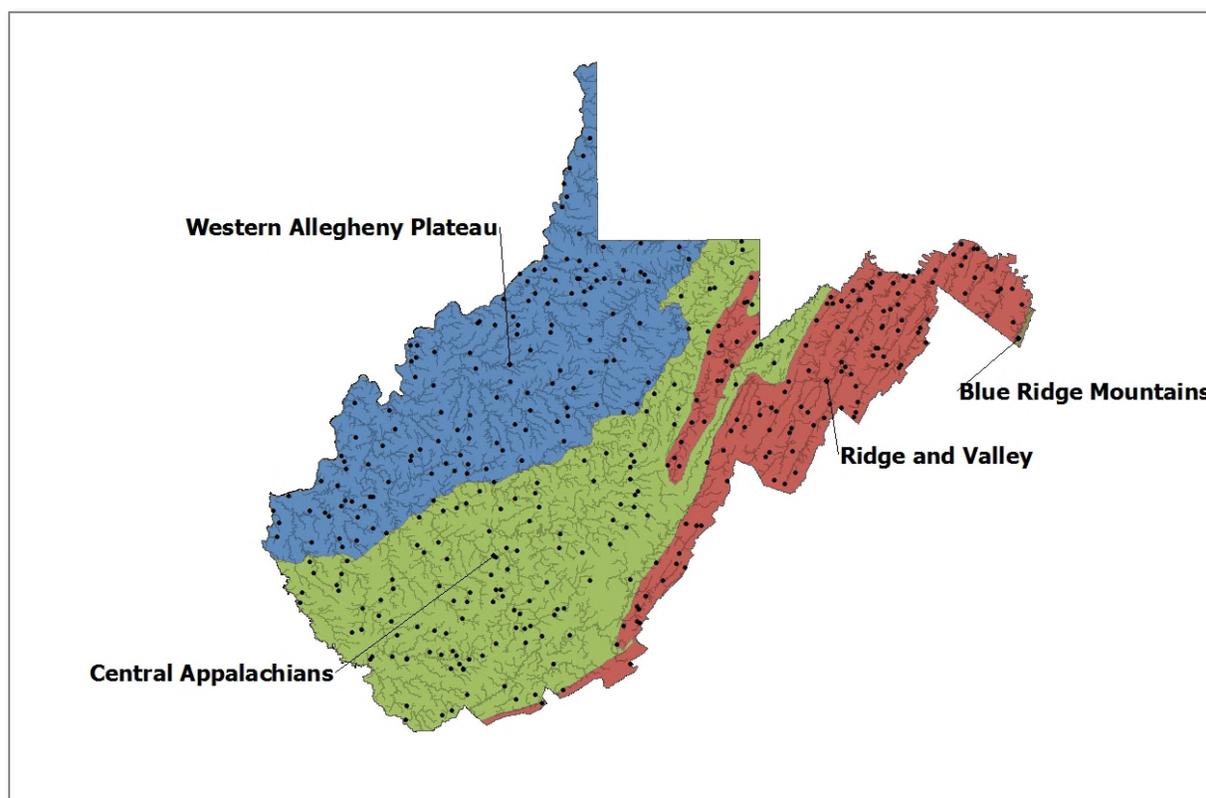
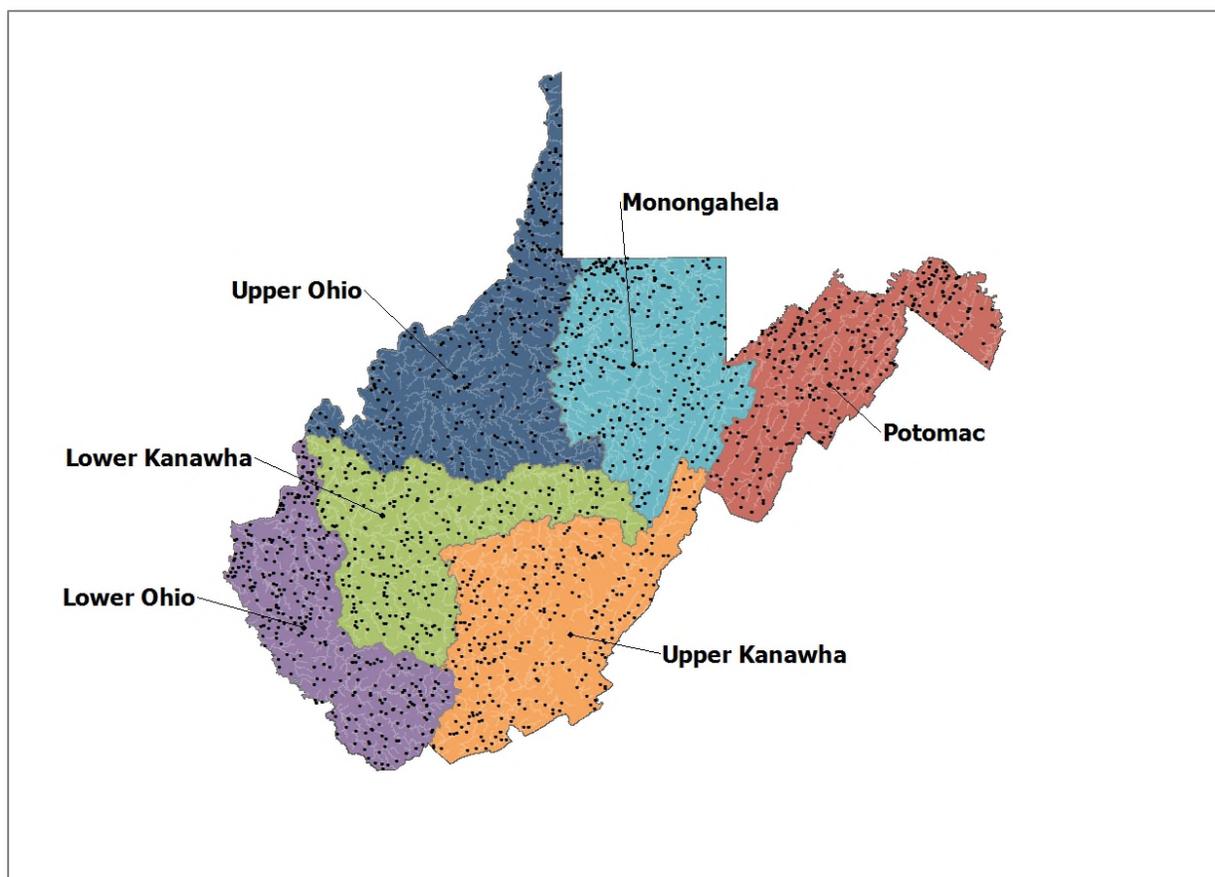


Figure 3: West Virginia Ecoregions



**Figure 4: West Virginia Basins**

## 7.1 Indicators of Stream Condition

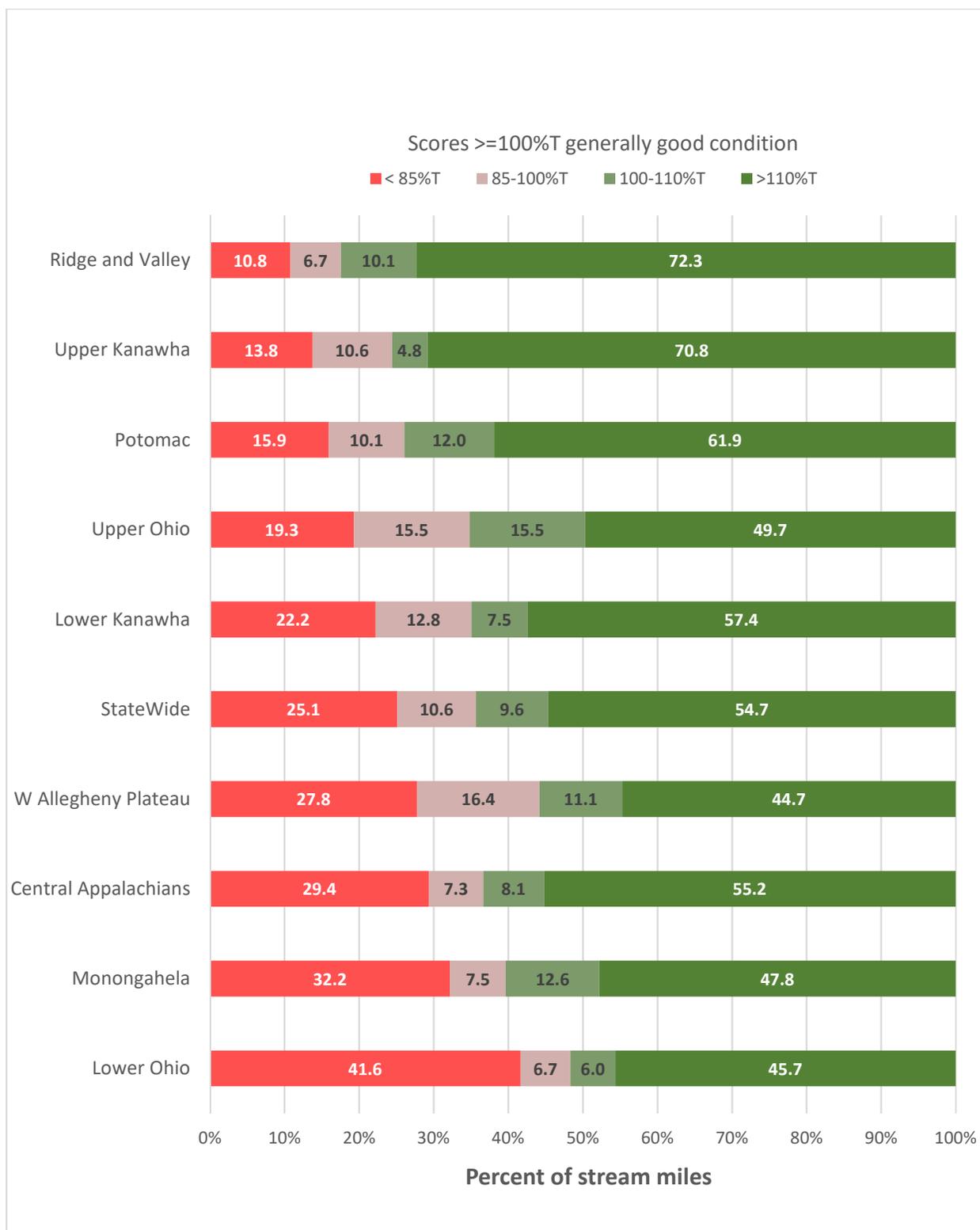
### 7.1.1 Biological Community

The biological communities living in West Virginia streams are exposed to many stressors, including toxic contaminants, sedimentation, nutrient enrichment, and acid precipitation. The DEP uses benthic macroinvertebrates to assess the biological condition of streams in the state. These organisms provide reliable information on water and habitat quality in streams and have been used as indicators all over the world for nearly 100 years. They are extremely diverse and exhibit a wide range of tolerances to pollutants. Further, they serve as an excellent tool for measuring overall ecological health, especially when summarized into a single index of biological integrity.

In West Virginia prior to 2012, the health of benthic macroinvertebrate communities had been rated using a statewide family-level multi-metric index developed for use in wadeable riffle/run streams, the West Virginia Stream Condition Index (WVSCI). Beginning in 1998, the DEP started identifying benthic macroinvertebrates to genus level with the intention of eventually developing a new biotic index. Development of a genus level index is now complete. The new tool, known as GLIMPSS (Genus Level Index of Most Probable Stream Status), which is stratified by season and ecoregion, has now been peer

reviewed and published and is ready for use in this summary report. However, the new index is not yet ready for use in determining attainment of a stream's Aquatic Life Use (AQL) for regulatory purposes. During West Virginia's 2012 legislative session, Senate Bill 562 was passed requiring the DEP to develop a new assessment methodology that will be subject to legislative approval. The process to develop and evaluate options for assessing stream health more "holistically" is ongoing, and specifically considers the use of fish community information, along with benthic macroinvertebrate index scores, as part of the assessment methodology. GLIMPSS, similar to WSCI and other indices of biotic integrity, summarizes scores of various metrics into a single index value. The metrics were selected to maximize discrimination between streams with known stressors and reference streams. Reference streams have little or no human disturbances. All identified reference streams were combined and a subsequent reference condition was established based on their benthic macroinvertebrate communities.

Based on the probabilistic data utilized in this summary and a comparison to low-end reference condition (5th percentile of all appropriate season and ecoregion reference sample GLIMPSS scores), 64.3 percent of wadeable stream miles have scores equal to or above the low-end reference condition threshold (i.e., are generally in good biological condition) statewide with the remaining 35.7 percent scoring less than this threshold (Figure 5). Breaking this down by ecoregion, the Ridge and Valley has the highest percentage of streams with healthy aquatic ecosystems, with 82.4 percent scoring above the 5th percentile threshold. The Western Allegheny Plateau ecoregion scores lowest with an estimated 55.8 percent of stream miles comparable to reference. The percent of stream miles in the Central Appalachians scoring above the GLIMPSS threshold is estimated to be 63.3. Among basins, the Upper Kanawha had the highest percent of streams miles (70.8) above the reference threshold, while the Lower Ohio had the fewest (45.7).



**Figure 5: Biological Health – Benthic Macroinvertebrate Community IBI Scores for GLIMPSS at Genus Level (except Chironomidae)**

### 7.1.2 Water Quality Indicators of Aquatic Integrity

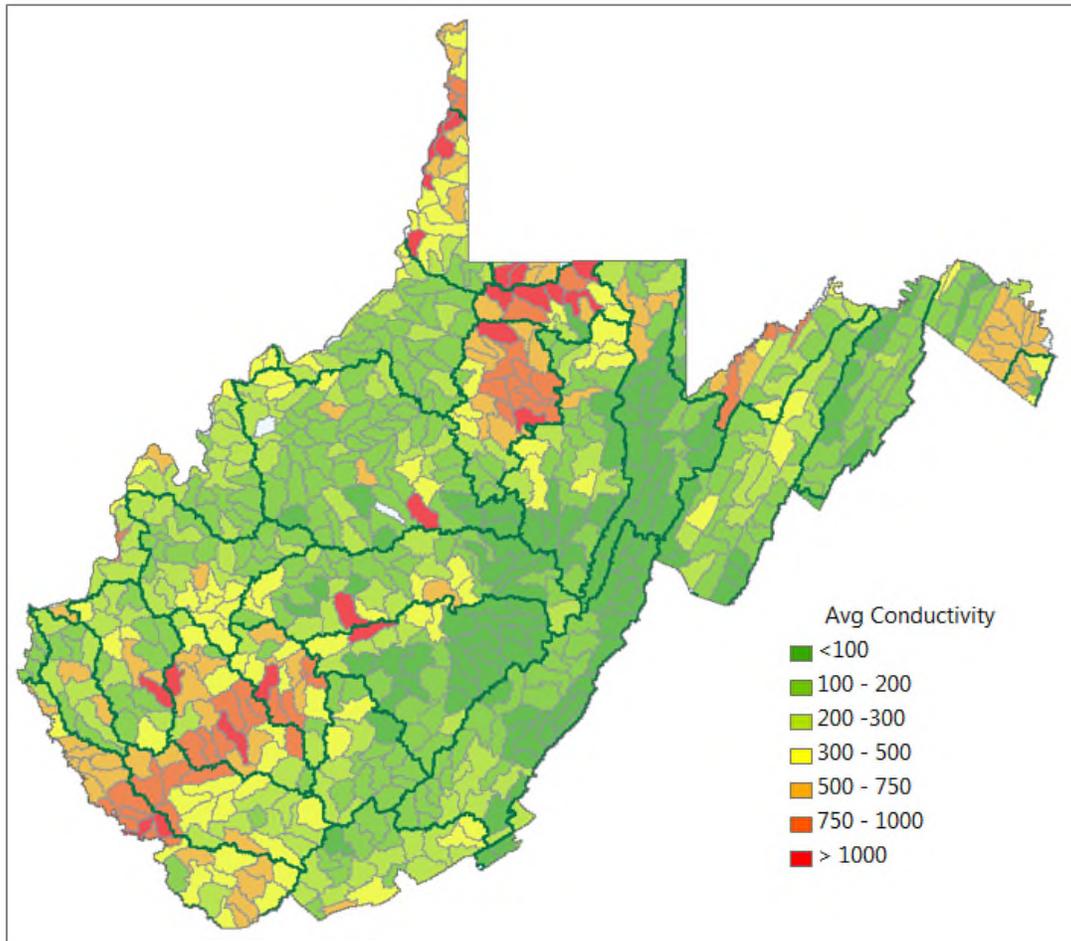
The Watershed Assessment Branch analyzes over 20 different water quality parameters at each of the sites sampled as part of the probabilistic monitoring program. Below are the results of five of these parameters, including:

- Conductivity – various levels
- Sulfate > 50mg/L
- Acidity: pH < 5.0 and <6.0
- Bacterial Contamination: fecal coliform bacteria > 400 colonies/100mL
- Total Phosphorus – various concentrations

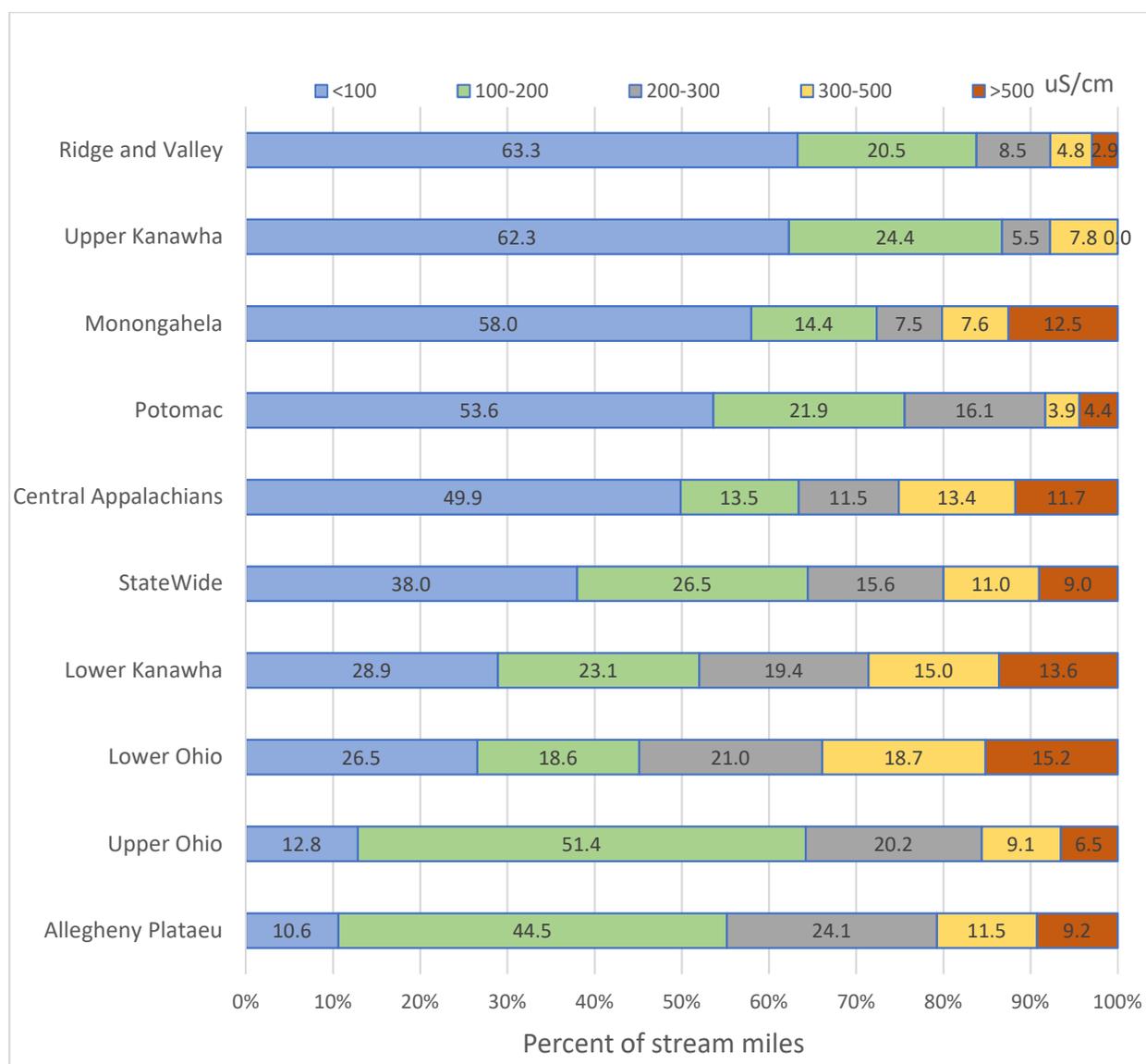
#### Conductivity

Conductivity, or specific conductance, is a measure of how well water conducts electricity which is determined by what and how much is dissolved in the water. In certain areas, conductivity is naturally elevated because of calcium and other minerals dissolved from limestone and other soluble rocks. In others, it is high because of added pollution from a variety of sources. Large scale surface mining such as mountain top mining and the use of valleys fills results in high conductivity caused by water percolating through fractured rock that had once been solid. High conductivity waters are often associated with degraded benthic macroinvertebrate communities.

In general, West Virginia streams have relatively low conductivity – with 80% of wadeable stream miles statewide having late spring /early summer levels below 300  $\mu\text{S}/\text{cm}$  (levels tend to rise as the streamflow drops during summer and fall) and many regions having the majority of their stream miles less than 100  $\mu\text{S}/\text{cm}$  (Figures 6 and 7). The Upper Ohio Basin and the closely aligned Western Allegheny Plateau ecoregion have fewer low conductivity (<100  $\mu\text{S}/\text{cm}$ ) streams, and also includes some areas (northern panhandle) with the high conductance streams associated with coal mining. The Monongahela Basin includes some of lowest conductivity streams (headwaters of Tygart and Cheat river watersheds) as well as some of the highest conductivity streams that are impacted by mining as well as industrial and residential development. The map at left shows average specific conductivity by 12-digit HUC watersheds using all available data (not limited to probabilistic data). The higher conductivity values in the eastern panhandle is attributable to the limestone geology of the area.



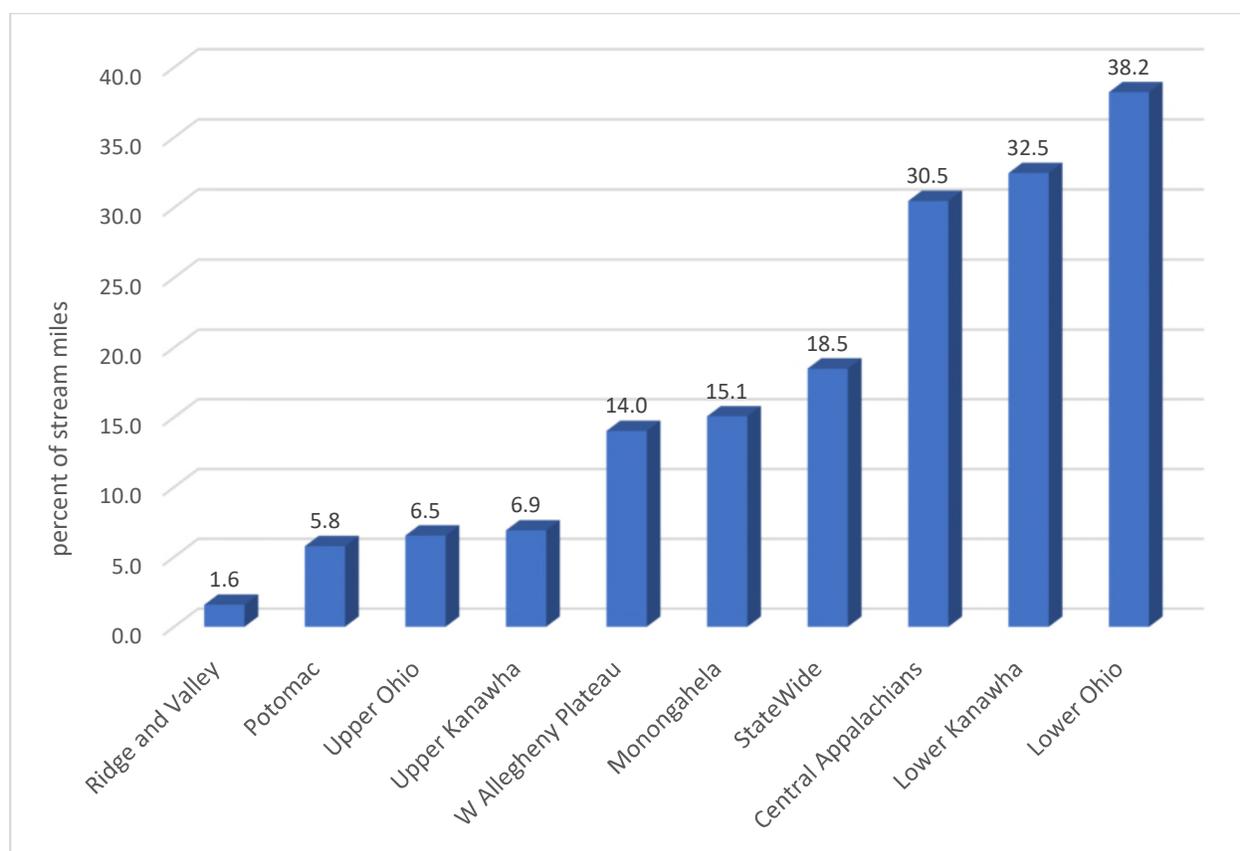
**Figure 6: Average Specific Conductance at 12-digit-HUC Scale Watersheds in West Virginia**



**Figure 7: Specific Conductance in West Virginia Streams**

### Sulfate

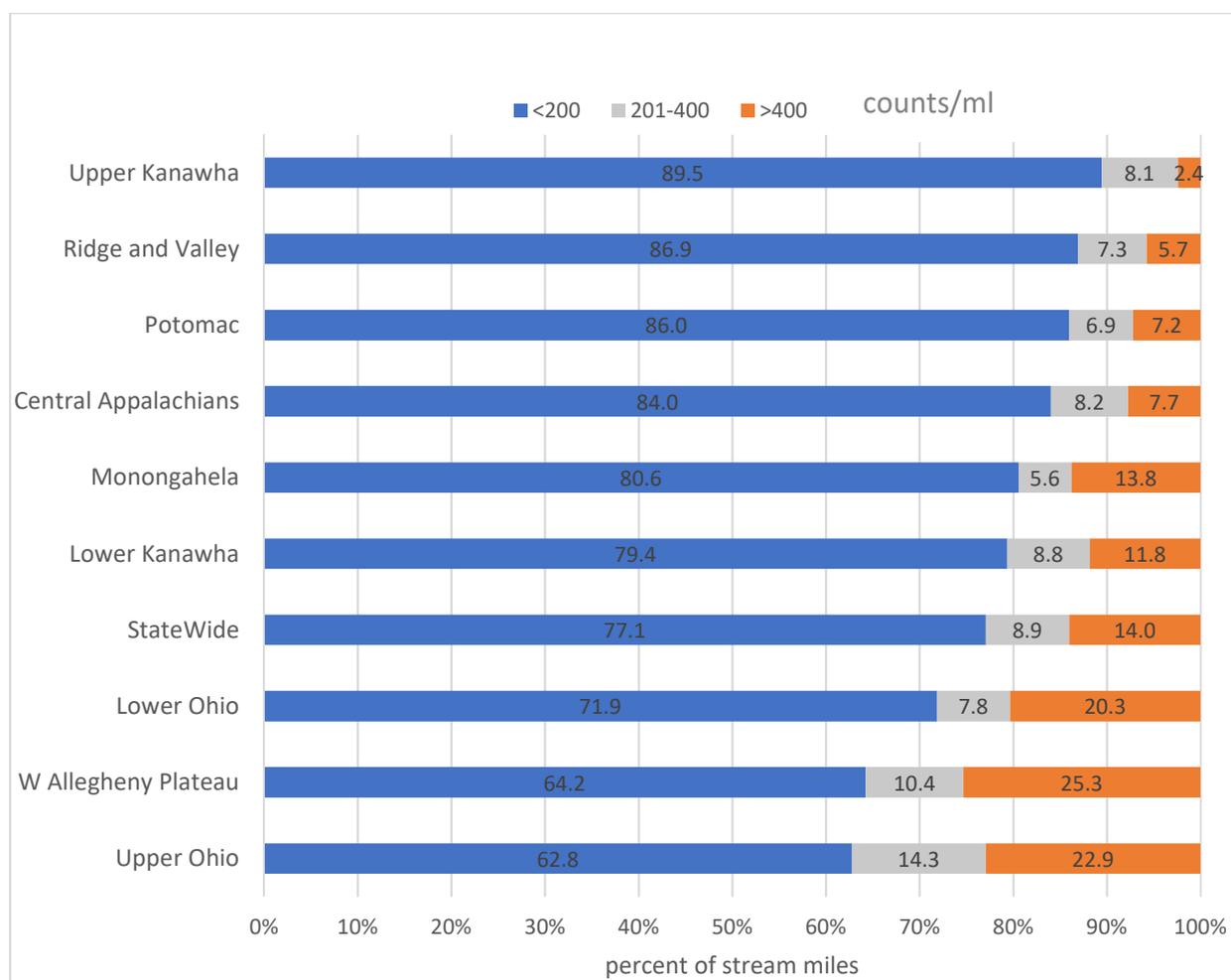
Streams receiving mine drainage may be impaired by low pH and/or elevated concentrations of metals, including iron, aluminum, and manganese. Other dissolved ions such as sulfate may also be present in concentrations above background levels. A sulfate concentration greater than 50 mg/L was used to identify probabilistic sites influenced by mine drainage. Following this guideline, approximately 18.5 % of the stream miles statewide are influenced by mine drainage (Figure 8). Observed on an ecoregional basis, mine drainage influences a greater proportion of stream miles in the coal rich Central Appalachians (30.5%) than in the Ridge and Valley (1.6%) or Western Allegheny Plateau (14.0%). Among basins, the Lower Ohio (38.2%) and Lower Kanawha (32.5%) had the highest percent of streams miles exceeding the 50 mg/L threshold of sulfate.



**Figure 8: Sulfate in West Virginia Streams**

### Bacterial contamination

Many West Virginia streams contain elevated levels of fecal coliform bacteria. Contributors to the problem include leaking or overflowing sewage collection systems, illegal homeowner sewage discharges by straight pipes or failing septic systems, and runoff from urban or residential areas and agricultural lands. Based on probabilistic data, 14.0% of stream miles in the state have fecal coliform bacteria levels that exceed the criterion of 400 colonies/100mL (Figure 9). In general, watersheds in the more developed regions of the state had a greater proportion of stream miles exceeding the criterion. Among ecoregions, the proportion of stream miles violating the criterion was highest in the Western Allegheny Plateau with 25.3 % of stream miles exceeding the criterion. The proportions of stream miles exceeding the criterion were considerably lower in the Central Appalachians at 7.7% and Ridge and Valley Ecoregions at 5.7%. It should be noted that DEP's probabilistic monitoring is performed at baseflow conditions. Because samples are not collected during storm runoff events, bacteria levels that may increase under these higher flow conditions are not represented in the results. The Upper Ohio and Lower Ohio basins had the highest percent of stream miles exceeding the bacteria criterion with 22.9% and 20.3%, respectively.

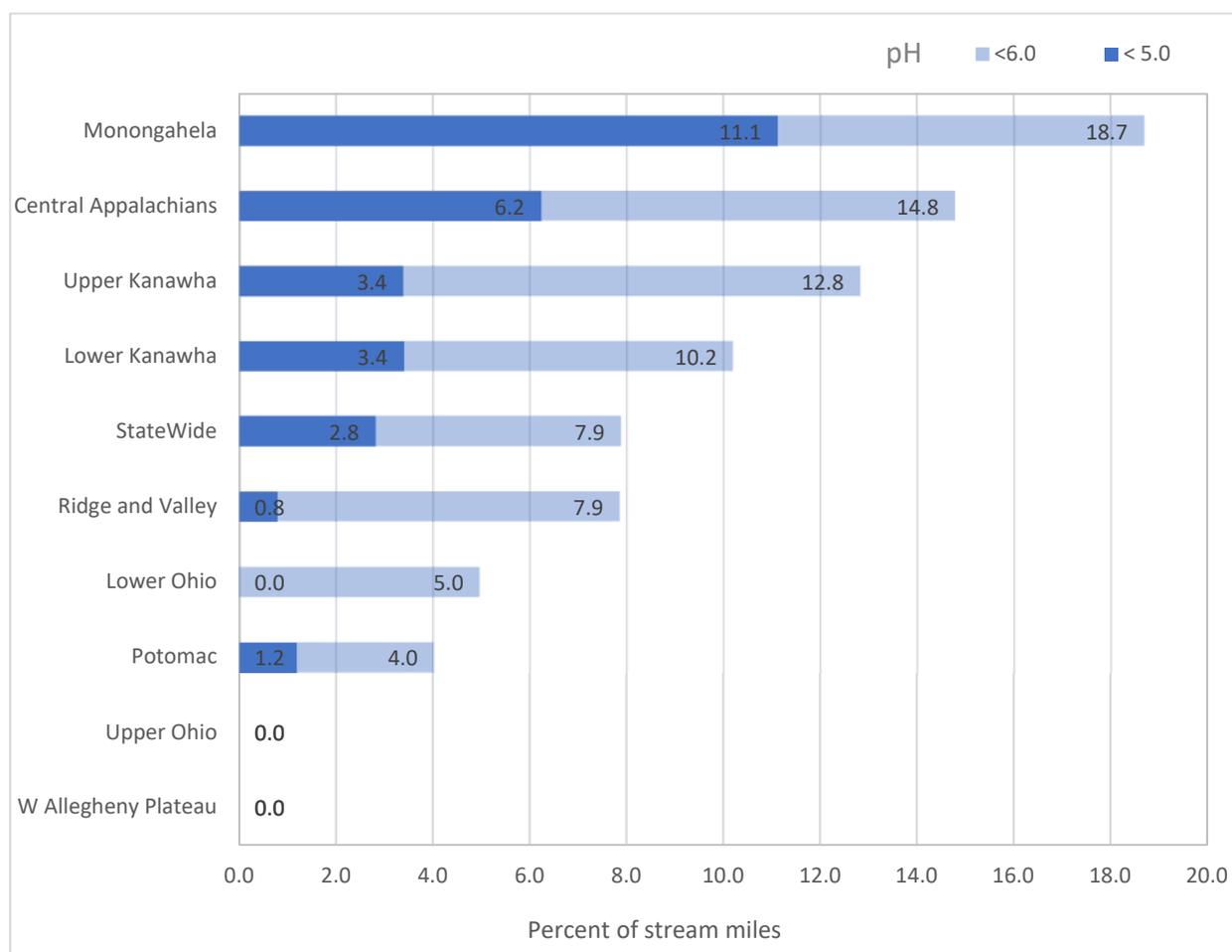


**Figure 9: Fecal Coliform Bacteria in West Virginia Streams**

### Acidity

Aquatic life communities in the headwater sections of many West Virginia streams continue to be impacted by low pH, and thus, acidic water quality. The impairment is most prevalent in watersheds with soils of low buffering capacity and most often caused by acid precipitation and less often (but potentially more severely) by acid mine drainage. An evaluation of probabilistic data indicates that approximately 7.9% of the stream miles in the state have pH values below 6.0 (Figure 10). Most of the stream miles identified as impacted by acidic waters are in the Central Appalachians Ecoregion, representing 14.8% of the stream miles within this area. Specifically, the Forested Hills and Mountains section of this ecoregion are largely susceptible to acid precipitation impacts due to infertile soils and resistant sandstones of the Pottsville group. The Ridge and Valley Ecoregion is less susceptible to the impacts of acid deposition with geologic materials such as limestone and shale providing more buffering capacity to neutralize acid precipitation. Nonetheless, probabilistic data indicates that approximately 7.9% of the stream miles in the Ridge and Valley Ecoregion are impacted by acidic conditions. Although present, the extent of stream miles impacted by acidic waters within the Western Allegheny Plateau Ecoregion is near 0.0%. In fact,

their proportion to the overall size of the total population of stream miles is insignificant enough to result in no acidic stream miles based on this cycle’s probabilistic analysis. Again, this ecoregion has well buffered soils that limit the impacts of acid precipitation. Furthermore, where they do exist in the western Allegheny Plateau ecoregion, acidic waters are more likely the result of acid mine drainage than acid precipitation. The Monongahela had the highest level of low pH waters among basins with nearly 19% of stream miles estimated to be acidic. The Monogahela basin likely has significant contributions from both acid deposition and acid mine drainage.

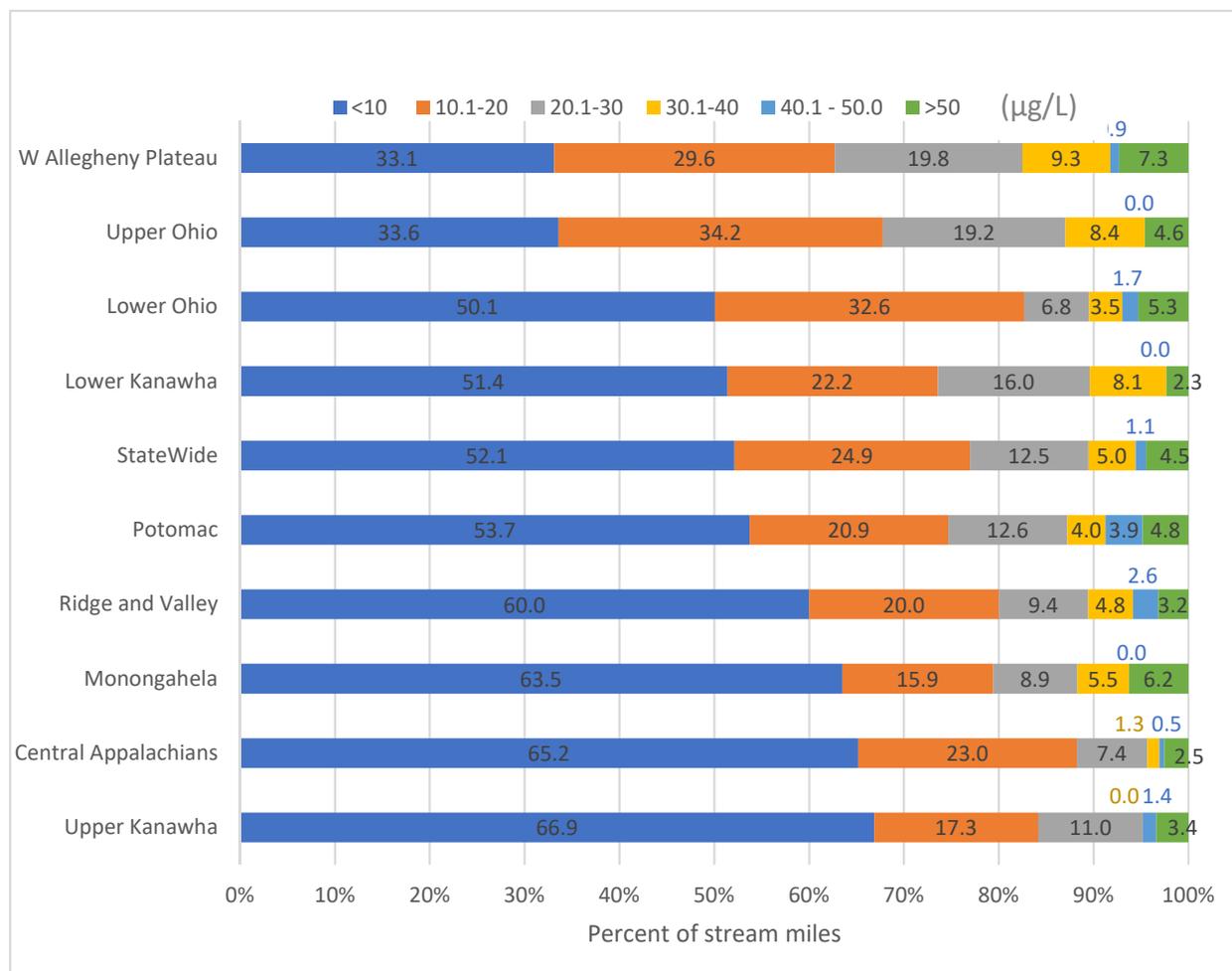


**Figure 10: Acidic Streams in West Virginia as Indicated by pH**

## Phosphorus

A large proportion of total phosphorus (TP) from our probabilistic efforts have results that are below quantifiable reporting limits of the analytical labs. With nutrients considered one of the country’s most widespread pollutants, having so many results below detectable levels is overall a good thing. Unfortunately, there are several different detection limits used for this sample period preventing the ability to provide a clear comparison of TP levels across regions of the state. However, the results do allow for a comparison of percentage of stream miles with TP that are below those detection limits. From the graph

below (Figure 11), we know that the Western Allegheny Plateau has the highest percentage of stream miles with TP greater than 50  $\mu\text{g/L}$  (7.3%) as well as the lowest percentage of stream miles with TP below the lowest detection level (33.1%) and that approximately two thirds of stream miles in the Upper Kanawha basin have TP below the lowest detection limit of 10  $\mu\text{g/L}$ .



**Figure 11: Total Phosphorus ( $\mu\text{g/L}$ ) in West Virginia Streams**

### 7.1.3 Habitat Indicators of Aquatic Integrity

#### Overall Stream Habitat Condition

During the course of probabilistic sampling, DEP personnel collect data on many features of both riparian and instream habitat known to be important to the biological communities of streams. Habitat parameters from EPA’s Rapid Bioassessment Protocol (RBP) were measured. These include measures of the amount of sediment and embeddedness in the stream channel as well as measures of the vegetation along the bank and riparian zone in the stream corridor. Specifically, ten parameters are scored (0-20) based on their quality and then combined to assess the overall physical habitat condition of the site. The overall scores (Total RBP Habitat – max score 200 pts.) were categorized as good, moderate, or poor (Figure 12). Based

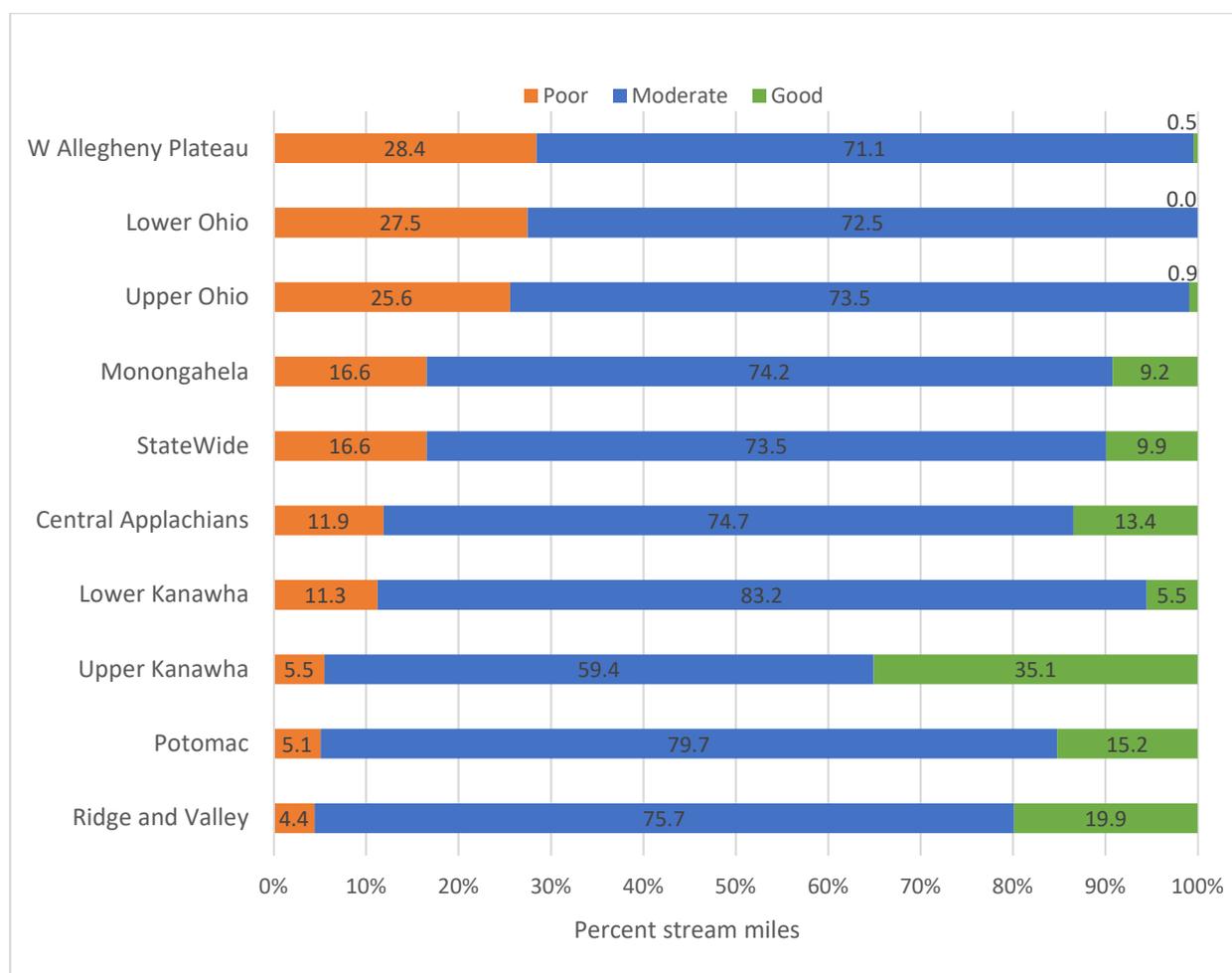
on probabilistic data, just 9.9% of stream miles statewide have good habitat quality (total RBP score of 160 or greater), 73.5% of stream miles have moderate habitat quality (110–159), and 16.6% of stream miles have poor habitat quality (< 110). While these categorical thresholds are somewhat arbitrary, they do provide a good comparison of habitat conditions between geographic areas.

On an ecoregional basis, the Ridge and Valley had the highest proportion of stream miles rated in the good category for overall habitat quality at 19.9%. Additionally, this ecoregion had the least number of stream miles rated as poor for overall habitat quality at only 4.4%.

Total habitat quality scores are lower in the Western Allegheny Plateau. The presence of more widespread development and factors such as higher rates of soil erosion in this ecoregion are potential causes for only 0.5% of its stream miles being rated as good in overall habitat quality. Additionally, the percentage of stream miles with poor habitat quality (28.4%) is substantially higher in this ecoregion.

The Upper Kanawha basin stands out as having the highest percentage of stream miles (35.1%) with good overall habitat. This basin includes large portions of the Monongahela National Forest and several undisturbed wilderness areas. The Upper and Lower Ohio basins have almost no miles in good condition and over a quarter of their stream miles in poor condition.

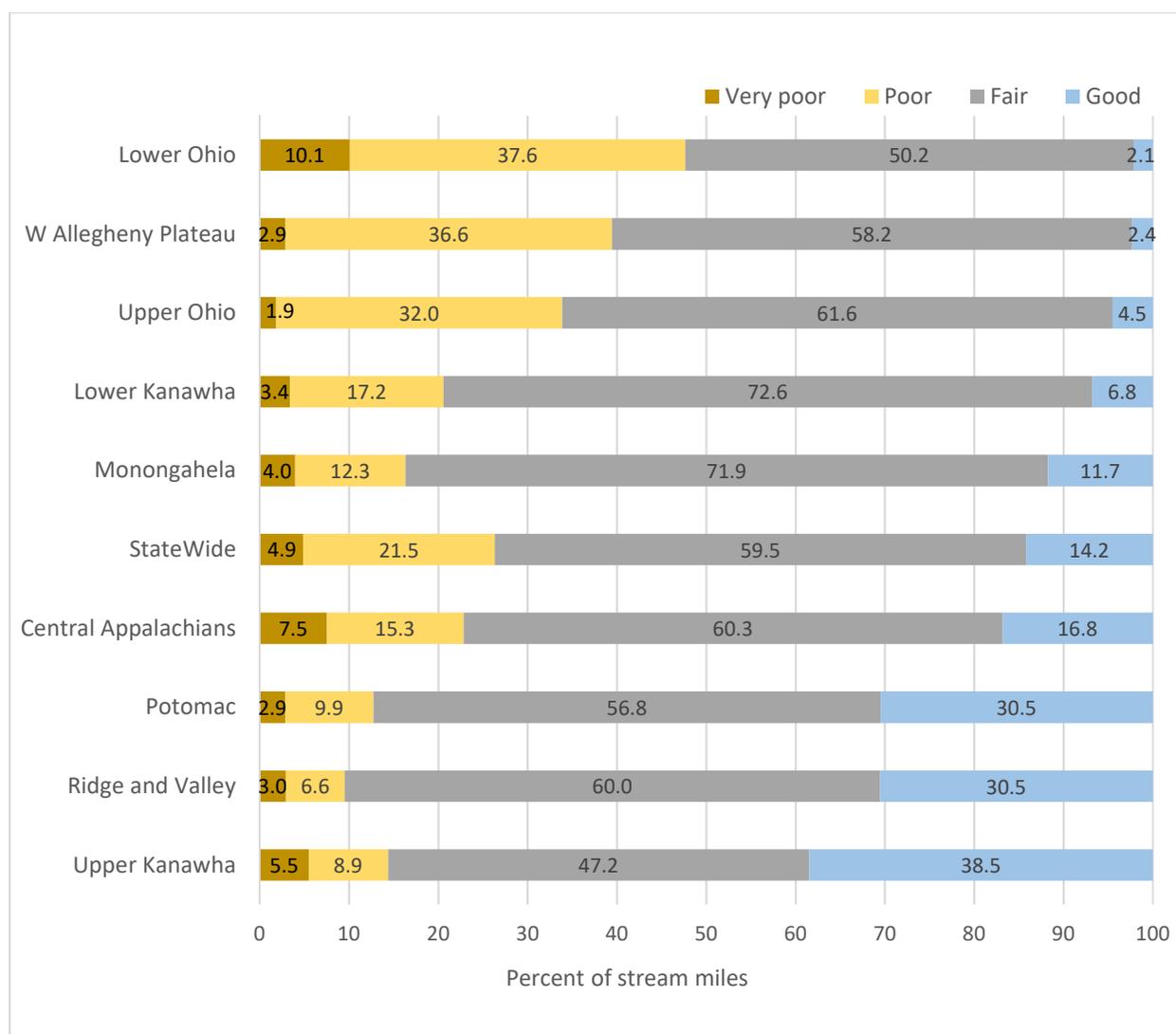
It is important to consider that approximately 90% of stream miles in the state are in the moderate or poor habitat categories. This indicates that most of the state's stream miles have at least some degree of habitat degradation. Although the DEP may gain insight into overall habitat conditions by combining the individual measures, it is useful to examine specific habitat characteristics.



**Figure 12: Overall Stream Habitat (RBP Total Score) in West Virginia Streams**

### Relative Presence of Embeddedness

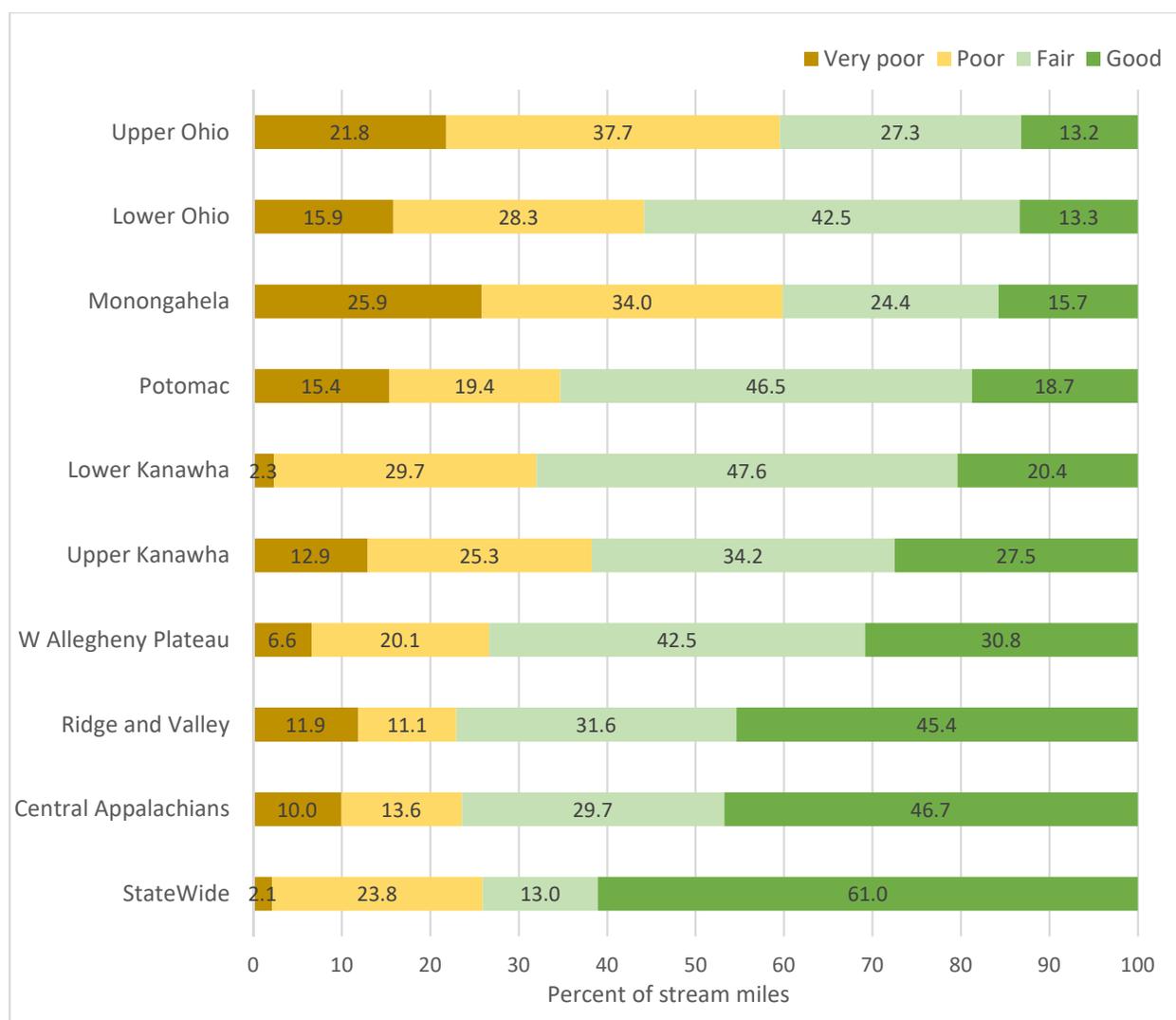
Sedimentation and the resulting embeddedness is one of the most important problems facing West Virginia streams. Figure 13 shows the extent to which rocks (gravel, cobble, and boulders) are covered or sunken into the silt, sand, or mud of the stream bottom. Generally, as rocks become embedded, the surface area available to macroinvertebrates and fish for shelter, spawning, and egg incubation is decreased. The Western Allegheny Plateau had the highest percentage of streams with poor or very poor ratings (39.5%) for embeddedness. This is likely because this region has slower, low-gradient streams, has more erodible soils, and more land-disturbing activities than in other areas. The Central Appalachians and Ridge and Valley streams fared better with 22.8% and 9.6% combined poor and very poor ratings, respectively. The Lower Ohio and Upper Ohio basins had the highest percent of stream miles in the poor or very poor category with 47.7% and 33.9%, respectively.



**Figure 13: Embeddedness Scores in West Virginia Streams**

### Condition of Riparian Vegetation Zones

The Ridge and Valley ecoregion had the highest percentage of wide, undisturbed riparian zones at 46.7% (Figure 14). This indicator rates streamside zones on the amount of undisturbed vegetation present, which is desirable for providing shade, creating a more stable stream bank and minimizing the amount of sediment, excess nutrients and other pollutants entering the stream. In contrast, the Central Appalachians and Western Allegheny Plateau, have a much smaller percentage of riparian zone vegetation rated as excellent with 30.8% and 13.2%, respectively. Among basins, the Upper Kanawha was far better than the others for riparian zone intactness with an estimate of 61% of its stream miles in the good category.



**Figure 14: Riparian Zone Vegetation Scores in West Virginia Streams**

### Range of Human-Refuse Intensity Values - Trash/Aesthetic Index

The “Trash/Aesthetic Index” is a measure of the amount of human refuse that is in and around the stream (including that which could be washed into the stream at high flows) (Figure 15). Of the three ecoregions, the Ridge and Valley has the highest percentage of “clean” streams, with almost 53.3 percent of stream miles in that category. The Central Appalachians had a slightly lower percentage of clean streams (43.8%) but had the highest percentage of trashy streams, with more than a fourth of its stream miles moderately trashy or worse. The Upper Kanawha and Potomac were the “cleanest” basins with 68.3% and 55.4% of their stream miles rated as clean, respectively.

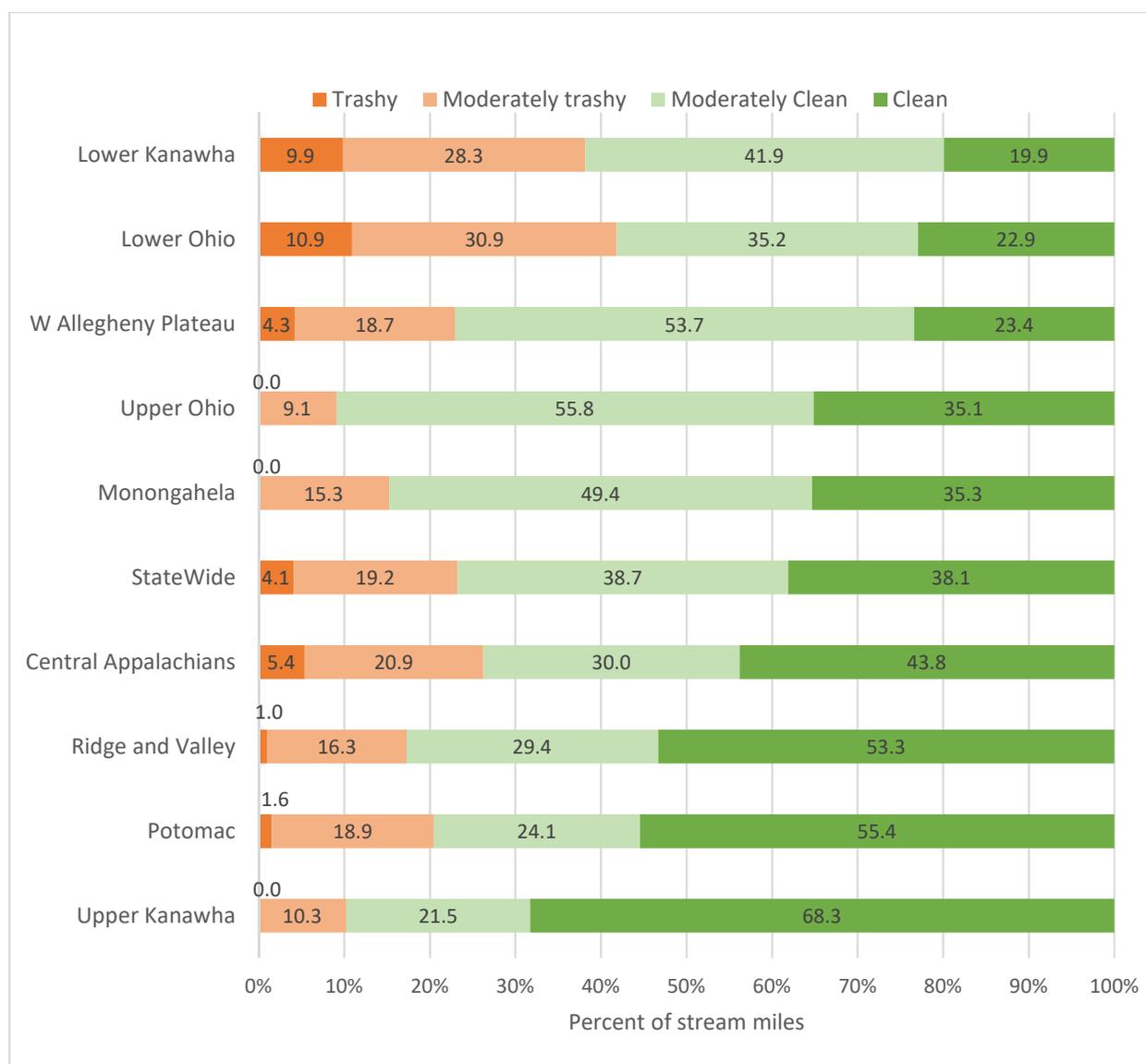


Figure 12: Trash/Aesthetic Scores in West Virginia Streams

## 8.0 INTERSTATE WATER COORDINATION

### 8.1 Virginia DEQ on Bluestone River PCB monitoring and TMDL development

DEP has been working with the Virginia Department of Environmental Quality (VADEQ) to assess Polychlorinated Biphenyls (PCBs) impairment along the Virginia section of the Bluestone River. The product of this cooperative effort will be a TMDL for the Bluestone River and tributaries with loadings and allocated reductions for sources in both Virginia and West Virginia. The West Virginia DEP, Virginia DEQ and EPA Region III have been cooperating in an effort to locate and reduce sources of PCBs to the Bluestone River. As part of this effort, remediation of the now defunct Lyn Electric Site in Bluefield,

W.Va. has been completed. Efforts included leveling and removal of the electric motor remanufacturing buildings on the site. Also, contaminated water and debris were removed from the site and clean material used to backfill the open basement areas of the property. Within the watershed additional monitoring and source evaluation is on-going to determine what steps, if any, need to be taken in the future.

## **8.2 Virginia DEQ on New River PCB TMDL development**

Virginia DEQ has been developing a PCB TMDL for the mainstem New River and selected tributaries and impoundments. DEP's review of the initial draft TMDL documents revealed a concern with target instream PCB values at the VA/WV border. Currently, VADEQ is addressing DEP concerns by ensuring instream attainment of WV water quality standards at the border. DEP remains committed to working with VADEQ via its Technical Advisory Committee to ensure the final TMDL meets both state's water quality standards.

## **8.3 Ohio River Valley Water Sanitation Commission – ORSANCO**

As with previous reports, the DEP's 2016 Integrated Report includes assessments based on data provided by ORSANCO. Throughout the development of ORSANCO's 2016 Biennial Assessment, the DEP has been involved with ORSANCO's efforts to standardize assessments among the compact states. The DEP's personnel continue to participate in several standing committees, along with representatives from other compact states, charged with helping direct ORSANCO's water quality and biological monitoring efforts.

## **8.4 Chesapeake Bay**

The Chesapeake Bay is impaired by nutrients and sediment from multiple sources originating locally and in upstream states. This biologically diverse waterbody is an important economic and recreational resource.

The need to restore this waterbody is a high priority for many agencies, organizations and the public in general. Approximately ten percent of West Virginia's stream miles drain into the Potomac River and on into the Bay. In addition, portions of the James River Watershed in West Virginia contribute flow to the Bay.

In June 2002, Governor Bob Wise signed the Chesapeake Bay Program Water Quality Initiative Memorandum of Understanding, committing West Virginia to nutrient and sediment load reductions. In November 2005, West Virginia proposed pollutant reduction plans in the West Virginia Potomac Tributary Strategy. In December 2010, EPA finalized TMDLs for the Chesapeake Bay and other impaired tidal waters in Virginia and Maryland. In response to the TMDLs, West Virginia and the other Bay jurisdictions developed Watershed Implementation Plans (WIPs). The West Virginia WIP identifies actions and controls that the State will pursue to implement the TMDLs, and West Virginia will accomplish its TMDL responsibilities if the WIP is successfully executed. Many DEP programs are actively participating in this effort. The West Virginia WIP and supporting documents may be viewed at: <http://www.wvchesapeakebay.us/docs.cfm>

## 8.5 Interstate Commission on Potomac River Basin

The Commission is a non-regulatory agency of basin states (Maryland, Pennsylvania, Virginia and West Virginia), Washington, D.C. and the federal government. The Commission promotes watershed-wide solutions to the pollution and water resources challenges facing the basin and its more than 6.11 million residents. Examples of current commission efforts include the Chesapeake Bay Program involvement, stream biological assessments, support of selected stream gages, the Potomac Groundwater Assessment, Potomac Basin Drinking Water Source Protection Partnership coordination and Potomac Watershed Toxic Spill Model support. In addition, the Commission's public outreach program supports and helps coordinate an annual watershed-wide clean-up effort and produces and distributes the newsletter Potomac Basin Reporter to 20,000 subscribers. The commissioners are appointed by their respective jurisdictions and provide policy guidance and oversight for a skilled staff of scientists and educators.

## 9.0 TOTAL MAXIMUM DAILY LOAD (TMDL) DEVELOPMENT PROCESS

From 1997 until 2003, EPA Region III developed West Virginia TMDLs under the settlement of a 1995 lawsuit, Ohio Valley Environmental Coalition, Inc., West Virginia Highlands Conservancy, et. al. v. Browner, et. al. The lawsuit resulted in a consent decree between the plaintiffs and the EPA that specifies TMDL development requirements and compliance dates. While the EPA was working on developing TMDLs, the DEP concentrated on building its own TMDL program. With the help of the TMDL stakeholder committee, the agency secured funding from the state legislature and created the TMDL section within the Division of Water and Waste Management.

The TMDL section is committed to implementing a TMDL process that reflects the requirements of TMDL regulations, provides for the achievement of water quality standards, and ensures that ample stakeholder participation is achieved in the development and implementation of TMDLs. The DWWM's approach to TMDL development allows 48 months to develop a TMDL from start to finish. This approach enables the agency to carry out an extensive data generation and gathering effort to produce scientifically defensible TMDLs, and allows ample time for modeling, report drafting and frequent public participation opportunities.

The DEP's TMDLs are developed according to the Watershed Management Framework cycle. The framework divides the state into 32 major watersheds and operates on a five year, five-step process. The watersheds are divided into five hydrologic groups (A - E). Each group of watersheds is assessed once every five years. A map depicting the 32 watersheds and hydrologic groupings is provided as an attachment to this document before the List Key. The TMDL process begins in the first year of the cycle with pre-TMDL sampling and public meetings in the affected watersheds. The data is compiled and TMDL development begins in year two of the cycle. In the third year, TMDL development continues and the TMDL is drafted. The TMDL is finalized in the fourth year. In the fifth year of the cycle, TMDL implementation is initiated through the NPDES permitting process and efforts toward limiting nonpoint source loading. Throughout the TMDL development process, there are numerous opportunities for public participation and input.

The 303(d) list identifies and prioritizes the waters and impairments for which future TMDLs will be developed by specifying the year in the “Projected TMDL Year” column. The impaired waters intended for TMDL development in 2017, 2018 and 2019 are known and identified<sup>1</sup>. For other waters and impairments, where the timing of TMDL development is less certain, the “Projected TMDL Year” is identified as the latest year where an opportunity exists per the DEP’s plans to develop TMDLs in concert with the Watershed Management Framework. Pre-TMDL sampling has traditionally followed the framework cycle, i.e., impaired streams from watersheds in hydrologic group A were sampled in the same year as the targeted sampling. More recently, to address impairments that have been listed for several years, watersheds are being selected for TMDL development outside of the framework cycle schedule.

At any point in time, the DEP personnel are working on TMDLs in each of the five hydrologic groups (A-E). Each set of TMDLs moves through several stages of development prior to finalization and the EPA’s approval. Table 12 shows the state’s TMDL development progress.

**Table 12: DEP TMDL Development**

Hydrologic Group	Watersheds	Progress
A3	South Branch of Potomac Upper Kanawha Upper Ohio North	EPA Approved
B3	Tygart Valley	EPA Approved
C3	Gauley (Meadow River) Potomac Direct Drains (Rockymarsh Run and Warm Springs Run)	EPA Approved
D3	Monongahela main-stem Little Kanawha (Hughes River)	Pre-TMDL sampling complete TMDL development ongoing
E3	Upper Guyandotte	Pre-TMDL ongoing until June 2016
E4	Big Sandy Lower Ohio Twelvepole Creek	Public Meetings complete Pre-TMDL sampling to begin July 2016

The DEP’s Web site contains all approved TMDL documents and the draft TMDL documents currently out for public comment. These documents can be found at:

<sup>1</sup> “On June 13, 2017 the US EPA and WVDEP signed a Memorandum of Agreement that includes a requirement to develop within 30 days an addendum to that agreement that contains a schedule with date-specific deadlines for completing TMDLs addressing all causes of biological impairment, including Ionic toxicity where relevant, for waters identified in the U.S. District Court for the Southern District of West Virginia’s February 14, 2017 Memorandum of Opinion and Order in Ohio Valley Environmental Coalition (OVEC) et al. v. Pruitt et al., No. 3:15-0271. The Addendum to the Memorandum of Agreement was signed on July 13, 2017 by WVDEP and EPA. The Addendum provides WVDEP’s ionic toxicity TMDL development schedule with date-specific deadlines to be completed by June 30, 2026. The schedule of TMDL development will be included in WV’s 2018 Integrated Water Quality Monitoring and Assessment Report and will be posted on WV’s TMDL Development website upon completion.”

<http://www.dep.wv.gov/WWE/watershed/TMDL/Pages/default.aspx>

## **10.0 WATER POLLUTION CONTROL PROGRAMS**

### **10.1 Division of Water and Waste Management**

The Division of Water and Waste Management's mission is to preserve, protect, and enhance West Virginia's watersheds for the benefit and safety of all its citizens through implementation of programs controlling hazardous waste, solid waste and surface and groundwater pollution, from any source.

The DWWM strives to meet its mission through implementation of programs controlling surface and groundwater pollution caused by industrial and municipal discharges as well as oversight of construction, operation and closure of hazardous and solid waste and underground storage tank sites. In addition, the division works to protect, restore and enhance the state's watersheds through comprehensive watershed assessments, groundwater monitoring, wetlands preservation, inspection and enforcement of hazardous and solid waste disposal and proper operation of underground storage tanks.

Environmental Enforcement (EE) is a branch of the Division of Water and Waste Management charged with assuring compliance with many of the state pollution control regulations. EE promotes compliance with the Solid Waste Management Act, Water Pollution Control Act, Groundwater Protection Act, Hazardous Waste Management Act, Underground Storage Tank Act, and Dam Safety Act by providing assistance, inspecting regulated sites, and enforcing conditions required by these acts.

### **10.2 National Pollution Discharge Elimination System (NPDES) Program**

The DWWM's primary mechanism for controlling point sources is the West Virginia NPDES permitting program. This program, administered by the Permitting Branch, regulates activities and facilities involved in the installation, construction, modification, and operation and maintenance of wastewater treatment systems as well as their discharges. Individual and general permits are used to implement the program. Most permits include effluent limits and requirements for facility operation and maintenance, discharge monitoring and reporting. Other permits require the installation and implementation of best management practices in lieu of effluent limitations and discharge monitoring requirements. The Permitting Branch also administers a pretreatment program in conjunction with the NPDES program, which outlines procedures for regulating proposed industrial wastewater connections to publicly owned treatment works (POTW). The program imposes discharge limitations for indirect discharges and requires the installation of pretreatment facilities where necessary to prevent interference with POTW operations and sludge disposal practices and to ensure that the pollutants contributed by industrial users do not pass through the POTW and violate water quality standards. The National Combined Sewer Overflow (CSO) Policy is implemented as a component of the NPDES Permits for POTWs with CSOs. The DEP has issued three Concentrated Animal Feeding Operation (CAFO) permits with no further permits currently under consideration. Activities administered by the Permitting Branch include the regulation of industrial solid

waste landfills and the land application of sewage sludge, and developing wasteload allocations for new or expanding sewage treatment facilities. Below is a list of permit actions for the time period beginning in July 2013 and ending in June 2015.

In addition to permitting, compliance assessment and enforcement activities are coordinated between Permitting and Environmental Enforcement. Noncompliance is initially addressed by administrative actions to compel compliance. These may include warning letters, notices to comply, enforcement orders, or referrals for civil action.

	<b>NPDES PERMITTING - PERMIT ACTION REPORT (7/1/2013 - 6/30/2015)</b>											
	Applications Received This Period	Applications Denied this Period	Permits Registrations and Modifications Issued This Period	Permits Registrations and Modifications Issued Year-to-Date for Current Fiscal 2018	Withdrawn and Voided This Period	Applications Pending as of 6/30/2015					Average DEP Time to Issue Permits This Period (In Days)	Average Total Time to Issue Permits This Period (In Days)
						Greater Than 180 dep days	Less Than, 180, > 90 dep days	Less Than, Equal to 90 dep days	Total (dep days)	Greater Than 180 total days		
<b>INDIVIDUAL PERMITS</b>	233	0	167	63	24	65	29	41	135	86	232	254
<b>GENERAL PERMITS</b>												
Home Aeration Units	2570	0	1708	141	25	284	346	343	973	525	99	105
Sewage General	13	0	13	42	6	0	1	9	10	8	510	680
Storm Water Construction	951	1	932	151	71	3	1	72	76	18	46	51
All Others	1799	11	1378	345	141	93	53	158	304	216	96	106
<b>MODIFICATION PERMITS</b>	552	6	452	144	65	48	18	59	125	72	76	88
<b>TRANSFER PERMITS</b>	234	1	229	42	30	15	6	22	43	37	37	60
<b>TOTAL - PERMITS</b>	6352	19	4879	928	362	508	454	704	1666	962		

**NOTE: The permits used to calculate for the "Average DEP Time" column are those that were submitted after June 30, 1999, when ERIS was deployed for Division of Water and Waste Management.**

### 10.3 Nonpoint Source Control Program

The Nonpoint Source Control Program focuses on restoration and protection of streams from nonpoint source pollution. The program assesses nonpoint source impacts, then develops and implements watershed based plans and projects designed to reduce pollutant loads from agricultural, silviculture, resource extraction, urban runoff, construction activities, and failing septic systems. Program initiatives are based upon education, technical assistance, financial incentives, demonstration projects, and enforcement, as necessary. The division’s Nonpoint Source Program supports overall administration and coordination of the nonpoint source activities through these participating state agencies: the West Virginia Conservation Agency, the Office of Oil and Gas, and the Division of Health and Human Resources. Each year, specific activities are funded under the Nonpoint Source Program.

Many of the streams being listed on the state's list of impaired waters are affected by nonpoint sources. The majority of the Total Maximum Daily Loads being developed involve nonpoint source water quality impacts. To more effectively respond to TMDL implementation needs, the Nonpoint Source Management Plan was updated in 2000 to incorporate watershed management principles, including integration of TMDL and Watershed Management Framework scheduling. In addition to several plans currently under development, the Nonpoint Source Program has 27 watershed-based plans in various stages of implementation that address a variety of nonpoint sources of pollution. These plans are developed in cooperation with the stakeholders, including federal, state and local government agencies, within the watershed. As a result of these plans, numerous nonpoint source remediation projects for acid mine drainage, agriculture, streambank erosion, and dirt roads have been undertaken. The goal of the watershed-based plans is to restore the impaired streams to meet water quality standards. The successes to date emphasize the need to focus more resources on voluntary installation of best management practices in identified priority watersheds where local stakeholders are interested in making a difference.

#### 10.4 Groundwater Program

Under the Groundwater Protection Act, West Virginia Code Chapter 22, Article 12, Section 6.a.3, DEP's Groundwater Program is responsible for compiling and editing information for a biennial report to the Legislature on the status of the state's groundwater and groundwater management program. The DEP, the West Virginia Department of Agriculture and the West Virginia Department of Health and Human Resources all have groundwater regulatory responsibility and contribute to the report. These state boards and six standing committees currently share the responsibility of developing and implementing rules, policies and procedures for the Ground Water Protection Act (1991). The Environmental Quality Board, the Groundwater Coordinating Committee, the Groundwater Protection Act Committee, the Groundwater Monitoring Well Drillers Advisory Board, the Well Head Protection Committee, and the Nonpoint Source Coordinating Committee are the standing committees. The report provides a concise, thorough overview of those programs that are charged with the responsibility of protecting and ensuring the continued viability of groundwater resources in West Virginia. The current biennial report to the Legislature covers the period from July 1, 2011 through June 30, 2013. Copies of the report "Groundwater Programs and Activities: Biennial Report to the West Virginia 2014 Legislature" may be obtained by contacting the Groundwater Program at the Division of Water and Waste Management, 601 57th St., S.E., Charleston, WV 25304 or by calling (304) 926-0495. The report also may be reviewed at:

<http://www.dep.wv.gov/WWE/Programs/gw/Documents/2014/FinalReport14.pdf>

The Ambient Groundwater Quality Monitoring Network was established by the DWWM in cooperation with the USGS in 1992 and is an ongoing project. The network provides critical data needed for proper management of West Virginia's groundwater resources. The major objective of this USGS study is to assess the ambient groundwater quality of major systems (geologic units) within West Virginia and to characterize the individual systems. Characterization of the quality of water from the major systems helps to:

- Determine which water quality constituents are problems within the state

- Determine which systems have potential water quality problems
- Assess the severity of water quality problems in respective systems
- Prioritize these concerns

Only by documenting present ambient groundwater quality of the state's major systems can regulatory agencies assess whether water quality degradation has occurred in certain areas and whether potential degradation is a result of natural processes or those associated with human activity. The USGS is currently working with the DEP on a 5-year groundwater assessment framework. In year 1, they collect groundwater data from a network of 27 sentinel wells to obtain current status of groundwater quality and track changes over time. In years 2 through 5, the USGS will conduct a variety of topical studies. The most recent topical study provides a baseline of current surface water and groundwater quality in the Monongahela River Basin related to shale gas development. All associated groundwater quality data for each well sampled and summaries of groundwater quality for each respective watershed are published in the USGS Water Resources Data for West Virginia annual report.

## 10.5 Division of Mining and Reclamation

The mission of the Division of Mining and Reclamation (DMR) is to regulate the mining industry in accordance with federal and state law. Activities include issuing both National Pollutant Discharge Elimination System and Surface Mining Control and Reclamation Act permits for mineral extraction sites and related facilities, inspecting facilities for compliance, monitoring water quality, tracking ownership and control, and issuing and assessing violations. The DMR is responsible for the computer databases that track their regulatory activities - Environmental Resources Information System (ERIS) and Applicant Violator System (AVS, the federal OSM database). The Permitting Unit is responsible for reviewing permit applications for surface and underground coal mines, preparation plants, coal loading facilities, haulage ways, and coal-related dams. This unit also reviews permit applications for non-coal quarry operations (sand, gravel, limestone, etc). Permit review teams staffed with geologists, hydrologists, engineers and others are located in each regional office throughout the state and in the headquarters office.

The DMR's Inspection and Enforcement unit is responsible for inspecting all coal mining and quarry operations in the state. It enforces compliance through regular inspections and Notices of Violation; and ensures site reclamation through final release of the operation. This unit is also responsible for civil penalty assessments, show cause proceedings, bond forfeiture and collection. The DMR's Program Development unit is responsible for implementing a proactive approach to policy issues, legislation and training. This unit is designed to keep the Division staff current with technological advances and to provide clear direction through development of cogent policy and guidance to meet legal and regulatory requirements. This unit provides regulatory interpretation and support to field offices, develops and updates handbooks and forms, drafts legislation and initiates regulation changes. Other responsibilities of this unit include Small Operators Assistance Program, public relations, including responses to Freedom of Information Act requests, special projects, employee training and research of laws, regulations and policy.

## **11.0 COST BENEFIT ANALYSIS**

A true cost/benefit analysis on the economic and social costs and benefits of water pollution control is a difficult and time-consuming task. Particularly, the evaluation of industrial facilities would be a monumental task considering the various types of industry (mining, chemical, power generation, etc), each having a very different process of pollution control. However, the information contained in the following paragraphs provides an idea of the amount of money currently expended to construct and upgrade both the municipal facilities within the state as well as programs available to homeowners wanting to correct failing onsite sewage systems.

### **11.1 Funding for Water Quality Improvements**

The DEP is responsible for administering a combination of state and federal funds expended for projects to improve water quality in state streams. The following narrative provides an overview of the programs within the DEP's Division of Water and Waste Management that provide funding for water quality improvements and a summary of the funds dispersed between July 2013 and June 2015 to improve water quality.

### **11.2 Clean Water State Revolving Fund Program**

The Clean Water State Revolving Fund (CWSRF) program is a funding program administered by the State Revolving Fund Branch to address water quality problems through wastewater facility construction, upgrades, or expansions. The branch is charged with general oversight, fiscal management and technical and administrative compliance review of local governmental entities that receive funds and provides information and guidance on what administrative actions are needed to process a loan through the program. When a community has been recommended by the West Virginia Infrastructure and Jobs Development Council to seek CWSRF program funding for financial assistance, the community is contacted by a financial manager and project engineer. A meeting may be scheduled to advise the community leaders about the overall program requirements and specifically what they should do next to obtain a CWSRF loan. There are federal, state, and program requirements that must be met prior to scheduling a loan closing. The CWSRF currently has three financial assistance programs available. These three programs are described below.

### **11.3 Low Interest Loan Program**

A low interest loan program for construction of municipal wastewater treatment works is available for municipalities and public service districts to build, upgrade, or expand treatment facilities and collection systems. Conventional loans with a repayment period of 20 years are available with an interest rate and annual administrative fee not exceeding 2% for certain communities. Loans with repayment periods from 21 to 40 years are available for disadvantaged communities where financial affordability is an issue. The interest rate and annual administration fee on these loans do not exceed 1/2%. From July 2013 through June 2015, 24 wastewater treatment facility loans totaling \$171,020,924 were funded.

### **11.4 Agriculture Water Quality Loan Program**

The Agriculture Water Quality Loan Program is a partnership with the West Virginia Conservation Agency developed to address pollution from nonpoint sources using Best Management Practices approved by the U.S. Environmental Protection Agency. CWSRF money is loaned to participating banks so they can offer below market rate low interest loans to qualifying applicants. For more information, contact your local Conservation District office, <http://www.wvca.us/map.cfm>. From July 2013 through June 2015, 8 nonpoint source agriculture BMP loans totaling \$288,032 were funded.

### **11.5 Onsite Systems Loan Program**

In cooperation with the West Virginia Housing Development Fund and Safe Housing and Economic Development office (Welch, WV) a low interest loan program has been established to address onsite sewage disposal problems. Called the “Onsite Systems Loan Program,” loans are available to replace malfunctioning septic systems and to install new onsite sewage systems for homes that have direct sewage discharges to ditches and streams. Centralized treatment for these homes will not be available in the next five years. For the current reporting period of July 2013 through June 2015, a total of \$700,000 pass through was provided to the two agencies.

In conclusion, although funding for maintenance and improvement of water quality is often a controversial issue, the DEP recognizes that millions of dollars are expended annually by businesses, municipalities, private and public entities (including state and federal agencies) to improve and maintain water quality in West Virginia. These expenditures address pollutants from various media including solid and hazardous waste, air and water.

## **12.0 PUBLIC PARTICIPATION AND RESPONSIVENESS SUMMARY**

The draft Section 303(d) List was advertised for public comment on July 21, 2017. Legal notices of the availability of the draft document and request for public comments were placed in newspapers statewide. The draft document was also promoted via e-mail and the Internet. The public comment period extended from July 21, 2017 to August 21, 2017. The DEP considered all comments and modified the list as appropriate. Comments have been compiled and responded to in this summary.

Public comments were received from Doug Wood on behalf of the Kanawha Forest Coalition Members, Carolyn Thomas, and Fola Coal Company, LLC. In addition, public comments were received from more than 100 individuals (Table 13) through a WV River Action Network Campaign. The campaign provided commenters with a sample letter summarized below. The contents of the individual letters were reviewed and substantially different comments are addressed, separately. The DEP appreciates the efforts commenters have put forth to improve West Virginia’s listing process. Comments and comment summaries are bold and italicized. Agency responses appear in plain text.

*Through the WV River Action Network Campaign, over one hundred commenters (Table 13), including the Greenbrier River Watershed Association, requested that DEP revise the methodology used to determine biological impairment and use the genus level Index of Biotic Integrity (IBI) developed for use in West Virginia known as GLIMPSS. The USEPA also submitted comments suggesting the DEP must evaluate existing and readily available data, citing 40 CFR 130.7(b)(5), and that the genus level data accumulated over the last 15 years are existing and readily available. They point out the GLIMPSS is available and utilizes the existing genus-level data.*

DEP acknowledges that EPA has recommended that DEP utilize the genus-level macroinvertebrate data set for 303(d) purposes. DEP also acknowledges that GLIMPSS is available and that it utilizes the existing and available data that has been collected. However, DEP has interpreted SB 562, passed in 2012, as a mandate to secure legislative approval of any new assessment methodology for biological integrity prior to implementation. The DEP regrets the delays that it has experienced but intends to present a methodology to the Legislature that will accurately identify biological integrity impairments.

**Table 13. Participants in WV River Action Network Campaign**

First Name	Last Name	City	State	Country
Judith	Clark	Dunmore	West Virginia	US
Michael	Whitten	Peytona	West Virginia	US
Autumn	Crowe	Lewisburg	West Virginia	US
Amanda	Pitzer	Kingwood	West Virginia	US
Anne	Chopyak	Buckhannon	West Virginia	US
Ellen	Wine	Sutton	West Virginia	US
Katie	Donnelly	Morgantown	West Virginia	US
Susan	Bouldin	Alderson	West Virginia	US
Bryan	Bailey	Buckhannon	West Virginia	US
Bert	Lustig	Berkeley Springs	West Virginia	US
Cam	Trowbridge	Martinsburg	West Virginia	US
Carl	Bolyard	Elkins	West Virginia	US
Christopher	Craig	Harpers Ferry	West Virginia	US
Cynthia	Ellis	Red House	West Virginia	US
Charlotte	Fremaux	Harpers Ferry	West Virginia	US
David	Billups	Morgantown	West Virginia	US
Debbie	Naeter	Frankford	West Virginia	US
Don	Sauter	Bruceton Mills	West Virginia	US
David	Bott	Westover	West Virginia	US
Francis	Mulkeen	Independence	West Virginia	US
Greenbrier River	Watershed Association	Lewisburg	West Virginia	US
Dave	Harshbarger	Morgantown	West Virginia	US
Lisa	Murphy	Shenandoah Junction	West Virginia	US
Rita	Lewis	Newton	West Virginia	US

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First Name	Last Name	City	State	Country
William	Turner	Lewisburg	West Virginia	US
Judith	Peascoe	Vienna	West Virginia	US
Jane	Birdsong	Elkins	West Virginia	US
JB	Witten	Elkins	West Virginia	US
Jerry	Carson	Cross Lanes	West Virginia	US
Jenni	Kovich	Leon	West Virginia	US
John	Pullen	Shepherdstown	West Virginia	US
Julie	Pratt	Charleston	West Virginia	US
Kat	Cooper	Hedgesville	West Virginia	US
Kate	Leary	Davis	West Virginia	US
John	Huerta	Elkins	West Virginia	US
Larry & Evelyn	Dadisman	Charleston	West Virginia	US
Pam	Leonard	Webster Springs	West Virginia	US
L.	Koval	Charleston	West Virginia	US
Alan	Smith	Cairo	West Virginia	US
Mary	L.	Charleston	West Virginia	US
DK	Anestos	Nitro	West Virginia	US
Meredith	Kiger	Morgantown	West Virginia	US
Meryl	Hall	Elkins	West Virginia	US
Duane	Nichols	Morgantown, WV	West Virginia	US
Olga	Gioulis	Sutton	West Virginia	US
Peggy	Burkhardt	Beckley	West Virginia	US
Penny	Manion	Shepherdstown	West Virginia	US
Jeff	Iliff	Berkeley Springs WV	West Virginia	US
Robert	Gall	Wheeling	West Virginia	US
Miriam	Miller	Morgantown	West Virginia	US
Sara	Wilts	Bruceton Mills	West Virginia	US
Angela	Hughes	Charleston	West Virginia	US
Sarah	Chayes	Paw Paw	West Virginia	US
Scott	Gibson	Saint Albans, WV	West Virginia	US
Steve	Malafy	French Creek	West Virginia	US
Stanley	Oaks	Berkeley Springs	West Virginia	US
Steven	Runfola	Morgantown	West Virginia	US
Tom	Hilgartner	Charleston	West Virginia	US
Thomas	Bouldin	Talcott, WV	West Virginia	US
Vivian	Stockman	Spencer	West Virginia	US
Chuck	Wyrostok	Spencer	West Virginia	US
Amy	Miller	Parkersburg	West Virginia	US
John	Estes	Birmingham	Alabama	US
Christine	Stewart	Escondido	California	US

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First Name	Last Name	City	State	Country
John	Pasqua	Escondido, San Diego Co.	California	US
Rob	Seltzer	Malibu	California	US
Tia	Triplett	Los Angeles	California	US
Cheryl	Pullen	Shepherdstown	Colorado	US
Larry	Thomas	Circleville	Colorado	US
Brad	Smith	Slatyfork	Florida	US
Ginny	Pendas	P. B. G	Florida	US
Rachael	Pappano	Mattawamkeag	Maine	US
Christopher	Ecker		Maryland	US
Jennifer	Sass	Kensington	Maryland	US
Bob	Bousquet	Bryantville	Massachusetts	US
Joe	Marsala	Knob Noster	Missouri	US
Susan	Kessler	Grantham	New Hampshire	US
Susan	Hamann	Chester	New Jersey	US
Paula	Bushkoff	Princeton	New Jersey	US
Jerry	Rivers	Roosevelt	New York	US
Kimberly	Wiley	Rochester	New York	US
Mary	Hawkins	New York	New York	US
Jorge	Flores	Morgantown	North Carolina	US
Lenore	Madeleine	Candler	North Carolina	US
Martha	Spencer	Brevard	North Carolina	US
Jerlene	Walberg	Bend	Oregon	US
Max	Salt	Coventry	Rhode Island	US
Doug	Krause	Winnipeg	Texas	US
Kevin	Rolfes	Austin	Texas	US
Adam	D'Onofrio	North Dinwiddie	Virginia	US
Eli	Helbert	Broadway	Virginia	US
Joshua	Kucharski	Roanoke	Virginia	US
Jonathan	Rugh	Blacksburg	Virginia	US
Richard	Hieber	Memmingen	Bayern	DE
Lorenz	Steininger		Georgia	DE
Paul	Jenkins	London	England	GB
Virginia	Jarrell	Shrewsbury	Shropshire	GB
Sandra	Arapoudis	Rhodos	Ά iauli <sup>3</sup> Apskritis	GR
Patricia	Vazquez	Mexico City	Distrito Federal	MX

*One commenter offered congratulations and support to the DEP regarding the improvements to the water quality in Three Forks Creek (WVMT-12) in Taylor County, WV, following the installation of water treatment to address acidity and metals in the watershed.*

The DEP appreciates the recognition of the water treatment efforts in Three Forks Creek and the support from the commenter.

***One commenter expressed concern with changes in legislation believed to plan spills of waste from fracturing activities that would require cleanup activities.***

The DEP does not plan nor permit spills of fracturing fluid.

***One commenter expressed concern with recent legislation that changed instream flow rates for which contaminant concentration apply.***

The commenter is most likely referring to the inclusion of harmonic mean flow, as it applies to human health criteria for carcinogens. Harmonic mean flow is the recommended method for implementing human health criteria (USEPA Water Quality Standards Handbook 2014). As stated in 47 CSR 2 subsection 8.2.a, and as indicated in EPA criteria development procedures, criteria developed for human health, whether for recreation, fish consumption, or public water supply, are based on the risk of one additional cancer case per one million people, over a 70-year lifetime of exposure. Human health criteria are developed to be fully protective of human health, and their protectiveness is not dependent upon the current flow of a waterbody, whether it is at flood stage or during drought. Because of the way these criteria are developed, the long-term average flow, or harmonic mean, is the best fit for designing the critical flow for human health carcinogens.

***One commenter asked that the source of pollution in Kanawha Fork (WVK-39-M) and Rush Creek (WVK-51) be noted as coal mining instead of “unknown”.***

In general, source tracking information to absolutely identify the causative sources of impairment is not available at the time of listing. The DEP maintains that causative sources are best determined after additional monitoring and source tracking performed in the TMDL development process. The use of “unknown” as the source allows the study of all pollutant sources in a stream’s watershed that cause or contribute to the water quality violation. All pollutant sources are represented in development of load and wasteload allocations for the TMDL.

Source identification in the 303(d) list is not a prerequisite for NPDES permit controls that ensure discharges do not cause or contribute to water quality impairments. NPDES permits for discharges into impaired waters must include criterion end-of-pipe limitations if the discharge has reasonable potential to contribute pollution.

***One commenter asserted that the health of Rocky Marsh Run (WVP-3), as well as many streams in the eastern panhandle, could be drastically improved by fencing out livestock and asked what the DEP improvement plan is for Rocky Marsh Run.***

USEPA approved the Total Maximum Daily Loads (TMDL) for the Rockymarsh Run and Warm Spring Run Watersheds, West Virginia in November 2016. In preparation of the development of the TMDL, the DEP monitored the water quality and studied pollutant sources of the Rockymarsh Run watershed. The TMDL provides wasteload and load allocations for point and non-point sources of fecal coliform, including pastures. Implementation of the TMDL is expected to result in water quality improvements.

*One commenter provided additional selenium water quality data for Boardtree Branch (WVKG-5-M) for consideration.*

The dataset was evaluated and met the quality assurance requirements for use in assessment decisions. The dataset demonstrated that the water quality criterion for selenium in the water column is being attained in Boardtree Branch. The selenium impairment for Boardtree Branch was removed from the 303(d) list.

## **13.0 LIST SUPPLEMENTS OVERVIEW**

Seven supplements are provided that contain additional information.

### **Supplemental Table A - Previously Listed Waters – No TMDL Developed**

Previously listed waters from the 2014 list that are not on the 2016 list are included in this supplement if a TMDL has not been developed, and these waters have been reevaluated and determined not to be impaired. Causes for revision of the impairment status include recent water quality data demonstrating an improved water quality condition, revision to the water quality criteria associated with the previous listing, documentation that the water was previously listed in error or a modification of the listing methodology.

### **Supplemental Table B - Previously Listed Waters - TMDL Developed**

TMDLs have been developed for many previously listed waters. TMDL development allows the removal of an impaired water from the 303(d) list. In the suggested format of the Integrated Report, such waters are to be classified in Category 4A and clearly distinguished from Category 5 and the 303(d) list. Waters included in Category 4A have TMDLs developed, but water quality improvements are not yet complete and/or documented. The waters identified in Supplement B will match those of Category 4A of the Integrated Report.

### **Supplemental Table B1 - Existing TMDL Resolves Newly Identified Impairment**

This table lists waters with newly identified impairments that occur in the watersheds of existing TMDLs. While TMDLs are not prescribed for these waters specifically, implementation of load and wasteload allocations for the pollutant of concern in the drainage areas for these waters is expected to resolve impairment.

### **Supplemental Table C - Water Quality Improvements**

The goal of TMDLs and stream restoration projects is to bring the stream back to the point where it meets its designated uses and the associated water quality criteria. Supplement C includes a listing of streams with improved water quality due to TMDL implementation or pre-TMDL stream restoration work resulting in delisting. Delisting occurs when sufficient data provides clear evidence that the criteria for listing are no longer met. In the Integrated Report, the waters in Supplement C can be included in Category 1 if all designated uses are being met provided that impairments for other uses/pollutants are not evidenced.

### **Supplemental Table D - Impaired Waters - No TMDL Development Needed**

This table lists impaired waters for which either other control mechanisms are in place to control pollutants or the water is not impaired by a pollutant (i.e., flow alterations caused by mining). These waters will be contained in Integrated Report Categories 4b and 4c unless TMDLs need to be developed for other pollutant-related impairments (Category 5).

### **Supplemental Table E - Total Aluminum TMDLs Developed**

Supplemental Table E - Total Aluminum TMDLs identify waters for which aluminum TMDLs were developed based upon water quality criteria that are no longer effective. After the subject TMDLs were developed, EPA approved revisions to West Virginia water quality standards that changed the aluminum numeric water quality criteria from total to dissolved form. This table is included to document the development of the obsolete TMDLs and to distinguish them from the effective TMDLs identified in Supplemental Table B. Once these streams are assessed for dissolved aluminum, they will be removed from Table E.

### **Supplemental Table F - New Listings for 2016**

This table is a list of impaired waters that are new on the list for 2016 and were not on the 2014 Section 303(d) list.

## WV 2016 SECTION 303(D) LIST KEY

### List Format

Impaired waters are first organized by their hydrologic group pursuant to the West Virginia Watershed Management Framework (i.e. Hydrologic Group A waters are shown first, followed by Hydrologic Group B, etc.). Within each hydrologic group, major watersheds are displayed alphabetically (e.g. within Hydrologic Group C, the Gauley Watershed is displayed first, followed by the Lower Guyandotte and so on). Within each major watershed, impaired waters are arranged by their stream code. The following table displays the format of the West Virginia 2014 Section 303(d) List and contains excerpts designed to display various intricacies.

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
<b>HYDROLOGIC GROUP A</b>							
<b>CHEAT WATERSHED - HUC# 05020004</b>						<i>4 Lake 1738 acres 31 streams 237 miles</i>	
Cheat River	WVMC	Fecal Coliform	Unknown	24.7	RM 19.5 to RM 44.2	2024	Yes
Cheat Lake	WVMC-(L1)	Methylmercury	Unknown	1730.0	Entire lake	2024	Yes
Coopers Rock Lake	WVMC-6-(L1)	Chlorophyll-A	Unknown	4.6	Entire Lake	2029	No
Webster Run	WVMC-12-B-0.5	CNA-Biological	Unknown	3.2	Entire length	2024	Yes
UNT/Greens Run RM 6.88	WVMC-16-E	CNA-Biological	Unknown	1.0	Entire length	2024	Yes
Shavers Fork	WVMCS	Aluminum (trout) (d)	Unknown	80.4	RM 16.5 (Little Black Fork) to HW	2029	No
Smoky Hollow	WVMCS-0.5	CNA-Biological	Unknown	0.9	Mouth to RM 0.9	2019	Yes

West Virginia’s streams are coded under an alphanumeric system. Major rivers have been assigned an alphabetical code that symbolizes their name. For example, the code “WVPSB” symbolizes West Virginia – Potomac - South Branch. Adding a numerical suffix to the major river code codifies tributaries to the mainstems of the major rivers. Suffixes are applied in ascending order from mouth to headwaters. Tributaries of tributaries are codified by alternately adding numerical and alphabetical suffixes, always in ascending order from mouth to headwaters. In

the example table, Mill Creek (WVPSB-9) is the 9th tributary of the Potomac - South Branch (WVPSB) and Elmlick Run (WVPSB-9-G) is the 7th tributary of Mill Creek.

The “Criteria Affected” column identifies the water quality criterion that is not attained in the impaired water. On the list, a separate line is provided for each affected criterion. The “Source” column identifies the general source(s) of the impairment. In most instances, the actual source of impairment is not known at the time of listing. For all waters and impairments, the impaired length is provided, as well as the impaired reach description, in as much detail as possible. If the exact length of impairment is unknown, the entire length of the stream is indicated by default. Sources of impairment and impaired reach descriptions will be confirmed in the TMDL development process. The “Projected TMDL Year” column indicates the latest year in which the DEP plans to develop a TMDL for the impairment. The last column of the list provides information as to whether or not the stream appeared on the West Virginia 2012 Section 303(d) List or is a new listing.

### Designated Uses

The affected designated uses associated with each listing are not displayed in the tabular format. Instead, the following table and discussion provides information regarding the affected designated use(s) for all criteria exceedances that resulted in the listing of impaired waters.

Criterion	Affected Designated Use			
	Aquatic Life	Contact Recreation	Public Water Supply	All Other Uses
Aluminum, dissolved	X			
Beryllium	X		X	
Chloride	X		X	
Chromium, hexavalent	X			
CNA-Algae		X	X	
CNA-Biological	X			
Dioxin (2, 3, 7, 8-TCDD)		X	X	X
Fecal coliform/Bacteria		X	X	
Iron	X		X	
Lead, dissolved	X			
Manganese			X	
Mercury	X	X	X	
Methylmercury	X	X	X	

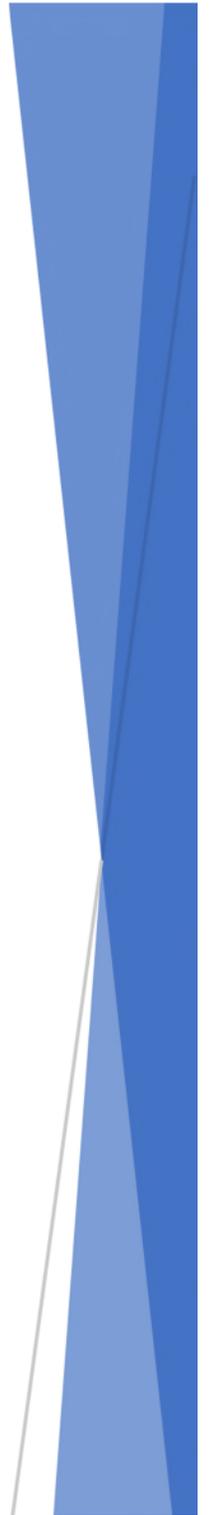
Criterion	Affected Designated Use			
	Aquatic Life	Contact Recreation	Public Water Supply	All Other Uses
Nitrite	X			
PCBs		X		
pH	X	X	X	X
Selenium	X		X	

### Abbreviations and Acronyms

The following table defines abbreviations and acronyms used.

AQ	Aquatic Life	(Trout)	Used to signify trout water criterion
CNA	Conditions Not Allowable	Mp	Mile Point
(dis)	Dissolved	RM	River Mile
HW	Headwaters	TMDL	Total Maximum Daily Load
HUC	Hydrologic Unit Code	UNT	Unnamed Tributary
CNA-Biological (Surrogate)- Used in Supplemental Table B to identify biological impairments resolved by the implementation of an approved pollutant specific TMDL.			

**2006 Section 303(d) List**



Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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## HYDROLOGIC GROUP A

### CHEAT WATERSHED - HUC# 05020004

*4 Lake 1738 acres 31 streams 237 miles*

Cheat River	WVMC	Fecal Coliform	Unknown	24.7	RM 19.5 to RM 44.2	2024	Yes
Cheat Lake	WVMC-(L1)	Methylmercury	Unknown	1730.0	Entire lake	2024	Yes
Coopers Rock Lake	WVMC-6-(L1)	Chlorophyll-A	Unknown	4.6	Entire Lake	2029	No
Webster Run	WVMC-12-B-0.5	CNA-Biological	Unknown	3.2	Entire length	2024	Yes
UNT/Greens Run RM 6.88	WVMC-16-E	CNA-Biological	Unknown	1.0	Entire length	2024	Yes
Shavers Fork	WVMCS	Aluminum (trout) (d)	Unknown	80.4	RM 16.5 (Little Black Fork) to HW	2029	No
Smoky Hollow	WVMCS-0.5	CNA-Biological	Unknown	0.9	Mouth to RM 0.9	2019	Yes
McGee Run	WVMCS-39	pH	Unknown	2.0	Entire length	2019	Yes
Yokum Run	WVMCS-40	pH	Unknown	2.6	Entire length	2019	Yes
Crouch Run	WVMCS-41	pH	Unknown	2.8	Entire length	2019	Yes
Whitmeadow Run	WVMCS-44	pH	Unknown	2.5	Entire length	2019	Yes
Stonecoal Run	WVMCS-45	pH	Unknown	2.6	Entire length	2019	Yes
Fish Hatchery Run	WVMCS-48	pH	Unknown	2.8	Entire length	2019	Yes
First Fork	WVMCS-50	pH	Unknown	5.4	Entire length	2019	Yes
Buck Run	WVMCS-52	pH	Unknown	1.0	Entire length	2019	Yes
Second Fork	WVMCS-54	pH	Unknown	4.4	Entire length	2019	Yes
Blackwater River	WVMC-60-D	CNA-Biological	Unknown	26.5	RM 7.9 to HW	2029	Yes
UNT/Lindy Run RM 0.87	WVMC-60-D-2.5-A	pH	Unknown	2.1	Entire length	2019	Yes
Pendleton Lake	WVMC-60-D-4-(L1)	Chlorophyll-A	Unknown	1.2	Entire Lake	2029	No
UNT/Beaver Creek RM 11.91	WVMC-60-D-5-H	CNA-Biological	Unknown	2.1	Entire length	2024	Yes
Yellow Creek	WVMC-60-D-7	CNA-Biological	Unknown	3.0	Entire length	2019	Yes
Freeland Run	WVMC-60-D-12	CNA-Biological	Unknown	1.8	Entire length	2019	Yes
Dry Fork/Black Fork/Cheat River	WVMC-60Dry	CNA-Biological	Unknown	12.8	RM 27.6 to HW	2029	Yes
Laurel Run/Dry Fork	WVMC-60-E	pH	Unknown	3.6	Entire length	2019	Yes

**WEST VIRGINIA**

**2016 Section 303(d) List**

**WEST VIRGINIA**

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Otter Creek	WVMC-60-F	pH	Unknown	12.8	Entire length	2019	Yes
Coal Run	WVMC-60-F-1	pH	Unknown	2.0	Entire length	2019	Yes
UNT/Otter Creek RM 1.82	WVMC-60-F-1.4	pH	Unknown	0.6	Entire length	2029	No
Yellow Creek	WVMC-60-F-7	pH	Unknown	2.6	Entire length	2019	Yes
South Fork/Red Run	WVMC-60-G-2	pH	Unknown	1.6	Entire length	2019	Yes
Red Creek	WVMC-60-O	pH	Unknown	19.8	Entire length	2019	Yes
Gandy Run	WVMC-60-O-3	pH	Unknown	2.3	Entire length	2019	Yes
Stoncoal Run	WVMC-60-O-6	pH	Unknown	2.2	Entire length	2019	Yes
Tory Camp Run	WVMC-60-R	CNA-Biological	Unknown	2.6	Entire length	2019	Yes
Gandy Creek	WVMC-60-T-(S)	CNA-Biological	Unknown	1.8	Mouth to RM 1.8 (Whitmer)	2029	Yes
Spruce Knob Lake	WVMC-60-T-10-(L1)	Chlorophyll-A	Unknown	2.6	Entire Lake	2029	No

**SHENANDOAH (HARDY) WATERSHED - HUC# 02070006**

*0 streams 0 miles*

No Listings

**SHENANDOAH (JEFFERSON) WATERSHED - HUC# 02070007**

*5 streams 17 miles*

UNT/Shenandoah River RM 10.71 (Johnson's Hill)	WVS-4.8	Fecal Coliform	Unknown	0.8	Entire length	2024	No
UNT/Furnace Run RM 0.62 (Little Lake Run)	WVS-5-A	Fecal Coliform	Unknown	0.9	Entire length	2024	No
Bullskin Run	WVS-6	Fecal Coliform	Unknown	8.5	Entire length	2024	Yes
North Fork/Bullskin Run	WVS-6-A	Fecal Coliform	Unknown	4.6	Entire length	2024	Yes
Forge Run	WVS-8	Fecal Coliform	Unknown	2.2	Entire length	2024	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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**SOUTH BRANCH POTOMAC WATERSHED - HUC# 02070001***11 streams 75 miles*

South Branch Potomac River	WVPSB	CNA-Algae	Unknown	34.3	RM 23.7 (Johns Run) to RM 58.0 (South Fork)	2024	Yes
UNT/South Branch Potomac River RM 10.37	WVPSB-1.65	CNA-Biological	Unknown	2.0	Entire length	2029	Yes
Mill Creek	WVPSB-9	DO	Unknown	7.3	RM 1.0 to RM 8.3	2024	Yes
Mill Creek	WVPSB-9	Fecal Coliform	Unknown	11.9	RM 1.0 to HW	2024	Yes
Elmlick Run	WVPSB-9-G	Fecal Coliform	Unknown	5.1	Entire length	2024	Yes
Miller Run	WVPSB-21-AA	CNA-Biological	Unknown	0.5	Mouth to RM 0.5	2024	Yes
Stony Creek	WVPSB-25-B-1	CNA-Biological	Unknown	3.4	Entire length	2024	Yes
Brushy Run	WVPSB-25-B-2	CNA-Biological	Unknown	4.9	Entire length	2024	Yes
South Mill Creek	WVPSB-25-C	CNA-Biological	Unknown	6.2	Mouth to RM 6.2	2024	Yes
Jordan Run	WVPSB-28-A	CNA-Biological	Unknown	0.2	Mouth to RM 0.2	2024	Yes
Mill Creek	WVPSB-28-M	CNA-Biological	Unknown	3.4	Entire length	2024	Yes
Gravel Lick Run	WVPSB-46-B	CNA-Biological	Unknown	2.9	Entire length	2024	Yes

**UPPER KANAWHA WATERSHED - HUC# 05050006***89 streams 249 miles*

Mission Hollow (Venable Branch)	WVK-46	CNA-Biological	Unknown	2.3	Entire length	2024	Yes
Lower Donnally Branch	WVK-48	CNA-Biological	Unknown	1.0	Mouth to RM 1.0	2024	Yes
Lower Donnally Branch	WVK-48	Fecal Coliform	Unknown	1.0	Mouth to RM 1.0	2024	Yes
Lower Donnally Branch	WVK-48	Iron	Unknown	1.0	Mouth to RM 1.0	2024	Yes
Chappel Hollow (Chappel Branch)	WVK-46-A	CNA-Biological	Unknown	2.8	Entire length	2024	Yes
Pointlick Fork	WVK-49-F	CNA-Biological	Mining	3.7	Entire length	2019	Yes
Rattlesnake Hollow	WVK-49-I	CNA-Biological	Mining	2.0	Entire length	2019	Yes
Eightmile Fork	WVK-49-L	CNA-Biological	Unknown	3.0	Entire length	2029	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Big Ninemile Fork	WVK-49-N	CNA-Biological	Unknown	0.9	Mouth to RM 0.9	2024	Yes
Rush Creek	WVK-51	CNA-Biological	Unknown	2.1	Entire length	2024	Yes
Right Fork/Rush Creek	WVK-51-A	Aluminum (d)	Unknown	2.6	Entire length	2029	No
Right Fork/Rush Creek	WVK-51-A	pH	Unknown	2.6	Entire length	2029	No
UNT/Right Fork RM 1.55/Rush Creek	WVK-51-A-1	Aluminum (d)	Unknown	1.0	Entire length	2029	No
UNT/Right Fork RM 1.55/Rush Creek	WVK-51-A-1	pH	Unknown	1.0	Entire length	2029	No
UNT/Rush Creek RM 0.74	WVK-51-B	CNA-Biological	Unknown	1.4	Entire length	2024	Yes
UNT/Rush Creek RM 1.46	WVK-51-C	Aluminum (d)	Unknown	0.7	Entire length	2029	No
UNT/Rush Creek RM 1.46	WVK-51-C	pH	Unknown	0.7	Entire length	2029	No
UNT/Ring Hollow RM 0.67	WVK-53-B-1	Iron	Unknown	0.8	Entire length	2029	No
Simmons Creek	WVK-54	Selenium	Unknown	0.5	RM 2.2 to HW	2029	No
Bradford Hollow	WVK-55	Iron	Unknown	0.2	Mouth to RM 0.2	2029	No
Halfway Hollow	WVK-57-A.5	Aluminum (d)	Unknown	0.8	Entire length	2024	Yes
Halfway Hollow	WVK-57-A.5	Iron	Unknown	0.8	Entire length	2024	Yes
Halfway Hollow	WVK-57-A.5	pH	Unknown	0.8	Entire length	2024	Yes
Laurel Fork	WVK-57-B	Aluminum (d)	Unknown	1.8	Entire length	2024	Yes
UNT/Laurel Fork RM 0.78	WVK-57-B-1	Iron	Unknown	0.5	Entire length	2024	Yes
UNT/UNT RM 0.01/Laurel Fork RM 0.78	WVK-57-B-1-A	Aluminum (d)	Unknown	0.5	Entire length	2029	No
UNT/UNT RM 0.01/Laurel Fork RM 0.78	WVK-57-B-1-A	Iron	Unknown	0.5	Entire length	2029	No
UNT/UNT RM 0.01/Laurel Fork RM 0.78	WVK-57-B-1-A	pH	Unknown	0.5	Entire length	2029	No
UNT/Witcher Creek RM 5.72	WVK-57-E.5	Iron	Unknown	1.1	Entire length	2029	No
Mill Branch	WVK-58-B.8	Iron	Unknown	0.5	RM 0.4 to HW	2029	No
New West Hollow	WVK-58-B.8-1	CNA-Biological	Unknown	1.2	Entire length	2024	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Slaughter Creek	WVK-60	CNA-Biological	Unknown	2.5	Mouth to RM 2.5	2024	Yes
UNT/Little Creek RM 1.43	WVK-60-A-2	pH	Unknown	0.7	Entire length	2029	No
UNT/Slaughter Creek RM 2.18	WVK-60-A.7	Aluminum (d)	Unknown	0.6	Entire length	2029	No
UNT/Slaughter Creek RM 2.18	WVK-60-A.7	pH	Unknown	0.6	Entire length	2029	No
Bradley Fork	WVK-60-B	CNA-Biological	Unknown	2.8	Entire length	2024	Yes
Cabin Creek	WVK-61	Selenium	Unknown	22.7	Entire length	2024	Yes
Wet Branch	WVK-61-C	CNA-Biological	Mining	1.1	Mouth to RM 1.1	2019	Yes
Longbottom Creek	WVK-61-F	CNA-Biological	Unknown	1.8	Mouth to RM 1.8	2024	Yes
Left Fork/Longbottom Creek	WVK-61-F-1	Iron	Unknown	3.9	Entire length	2029	No
Laurel Fork/Longbottom Creek	WVK-61-F-2	CNA-Biological	Unknown	1.6	Entire length	2024	Yes
Coal Fork	WVK-61-H	CNA-Biological	Mining	5.8	Entire length	2019	Yes
Toms Fork	WVK-61-K	CNA-Biological	Unknown	1.8	Entire length	2024	Yes
Tenmile Fork	WVK-61-L	Fecal Coliform	Unknown	2.4	Mouth to RM 2.4	2024	Yes
UNT/Tenmile Fork RM 1.22	WVK-61-L-0.5	CNA-Biological	Unknown	0.4	Mouth to RM 0.4	2019	Yes
UNT/Tenmile Fork RM 3.98	WVK-61-L-4	CNA-Biological	Unknown	1.0	Entire length	2024	Yes
UNT/Cabin Creek RM 16.65	WVK-61-N.8	Iron	Unknown	0.6	Entire length	2029	No
UNT/Cabin Creek RM 16.65	WVK-61-N.8	Selenium	Unknown	0.6	Entire length	2024	Yes
Fifteenmile Fork	WVK-61-O	Selenium	Unknown	3.6	Entire length	2024	Yes
UNT/Cabin Creek RM 18.06	WVK-61-O.4	Selenium	Unknown	0.7	Entire length	2024	Yes
Abbott Creek	WVK-61-O-1	Selenium	Unknown	2.3	Entire length	2024	Yes
Long Branch	WVK-61-O-2	CNA-Biological	Unknown	2.9	Entire length	2024	Yes
Long Branch	WVK-61-O-2	Selenium	Unknown	1.9	RM 1.0 to HW	2024	Yes
UNT/Cabin Creek RM 20.30	WVK-61-P	CNA-Biological	Unknown	1.9	Entire length	2024	Yes
UNT/Cabin Creek RM 20.30	WVK-61-P	Iron	Unknown	1.9	Entire length	2029	No
UNT/Cabin Creek RM 20.30	WVK-61-P	Selenium	Unknown	1.9	Entire length	2024	Yes
UNT/Kanawha River RM 75.75	WVK-61.7	pH	Unknown	0.5	Entire length	2029	No
Watson Branch	WVK-62	Iron	Unknown	0.9	Mouth to RM 0.9	2029	No
Sugarcamp Branch	WVK-64-C	CNA-Biological	Unknown	1.5	Entire length	2019	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Bufflick Branch	WVK-64-D	CNA-Biological	Unknown	2.6	Entire length	2019	Yes
Fivemile Fork	WVK-64-I	CNA-Biological	Unknown	3.3	Entire length	2029	Yes
Left Fork/Kellys Creek	WVK-64-J	CNA-Biological	Unknown	4.3	Entire length	2024	Yes
Slabcamp Hollow	WVK-64-J-1	CNA-Biological	Unknown	1.3	Entire length	2029	Yes
Hurricane Fork	WVK-64-K	CNA-Biological	Unknown	3.4	Entire length	2029	Yes
Paint Creek	WVK-65	Aluminum (trout) (d)	Unknown	17.4	RM 14.13 (Laurel Br) to RM 31.48 (Pax)	2029	No
Paint Creek	WVK-65	CNA-Biological	Unknown	42.1	Entire length	2024	Yes
Fourmile Fork	WVK-65-E	CNA-Biological	Unknown	4.6	Entire length	2024	Yes
Fourmile Fork	WVK-65-E	Iron	Unknown	2.5	Mouth to RM 2.5	2029	No
Fourmile Fork	WVK-65-E	Selenium	Unknown	2.5	Mouth to RM 2.5	2024	Yes
UNT/Fourmile Fork RM 2.23	WVK-65-E-6	Iron	Unknown	0.6	Entire length	2029	No
Toms Branch	WVK-65-J	CNA-Biological	Unknown	1.9	Entire length	2024	Yes
Toms Branch	WVK-65-J	Selenium	Unknown	1.9	Entire length	2024	Yes
Sycamore Branch	WVK-65-L	CNA-Biological	Unknown	3.2	Entire length	2024	Yes
Tenmile Fork	WVK-65-M	CNA-Biological	Unknown	2.4	Entire length	2024	Yes
Tenmile Fork	WVK-65-M	Selenium	Unknown	2.4	Entire length	2029	No
Long Branch	WVK-65-M-1	Aluminum (d)	Unknown	4.1	Entire length	2024	Yes
Long Branch	WVK-65-M-1	CNA-Biological	Unknown	4.1	Entire length	2024	Yes
Milburn Creek	WVK-65-V	CNA-Biological	Unknown	2.2	Entire length	2024	Yes
Bishop Fork	WVK-65-X	CNA-Biological	Unknown	1.7	Entire length	2024	Yes
Mossy Creek	WVK-65-Y	CNA-Biological	Unknown	4.8	Mouth to RM 4.8 (Forks)	2019	Yes
UNT/Paint Creek RM 25.65	WVK-65-Y.4	Iron	Unknown	0.4	Entire length	2029	No
Austin Hollow	WVK-65-Y.5	CNA-Biological	Unknown	1.4	Entire length	2024	Yes
UNT/Paint Creek RM 29.17	WVK-65-Z.8	Iron	Unknown	0.5	Entire length	2029	No
Town Creek	WVK-65-BB	CNA-Biological	Unknown	2.1	Entire length	2024	Yes
Town Creek	WVK-65-BB	Selenium	Unknown	2.1	Entire length	2024	Yes
Bee Branch	WVK-65-CC-1	Selenium	Unknown	1.2	Entire length	2029	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Sand Branch	WVK-65-HH	Iron	Unknown	1.0	Entire length	2029	No
Hughes Creek	WVK-66	CNA-Biological	Unknown	6.2	Mouth to RM 6.2	2019	Yes
Bufflick Fork	WVK-66-B	CNA-Biological	Unknown	2.3	Entire length	2029	Yes
Martin Hollow	WVK-66-B.5	CNA-Biological	Unknown	1.2	Entire length	2029	Yes
Barn Hollow	WVK-66-B.6	CNA-Biological	Unknown	0.7	Entire length	2019	Yes
Dunn Hollow	WVK-69	Iron	Unknown	2.0	Entire length	2029	No
Dunn Hollow	WVK-69	Selenium	Unknown	2.0	Entire length	2024	Yes
Smithers Creek	WVK-72	CNA-Biological	Unknown	4.4	Mouth to RM 4.4	2024	Yes
Bullpush Fork	WVK-72-B	CNA-Biological	Unknown	2.4	Entire length	2019	Yes
Fourmile Fork	WVK-72-F	CNA-Biological	Unknown	1.1	Entire length	2024	Yes
UNT/Loop Creek RM 8.36	WVK-76-D.8	Aluminum (d)	Unknown	0.7	Entire length	2029	No
UNT/Loop Creek RM 8.36	WVK-76-D.8	pH	Unknown	0.7	Entire length	2029	No
Armstrong Creek	WVK-73	Selenium	Unknown	8.0	Mouth to RM 8.0	2024	Yes
UNT/Armstrong Creek RM 1.88	WVK-73-A.8	Iron	Unknown	0.5	Entire length	2029	No
Stop Hollow	WVK-73-B	Iron	Unknown	1.1	Mouth to RM 1.1	2029	No
Right Fork/Armstrong Creek	WVK-73-F	Iron	Unknown	2.5	Entire length	2029	No
Loop Creek	WVK-76	CNA-Biological	Unknown	20.0	Entire length	2024	Yes
Loop Creek	WVK-76	Iron (trout)	Unknown	1.1	RM 8.4 to RM 9.5	2029	No
Dempsey Branch	WVK-76-C	CNA-Biological	Unknown	2.7	Entire length	2029	Yes
Dempsey Branch	WVK-76-C	Fecal Coliform	Unknown	2.7	Entire length	2024	Yes
Big Run (Glenco Hollow)	WVK-76-H	Aluminum (d)	Unknown	0.3	RM 1.4 to HW	2029	No
Big Run (Glenco Hollow)	WVK-76-H	CNA-Biological	Unknown	1.7	Entire length	2024	Yes
Big Run (Glenco Hollow)	WVK-76-H	pH	Unknown	0.3	RM 1.4 to HW	2029	No

**WEST VIRGINIA**

**2016 Section 303(d) List**

**WEST VIRGINIA**

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
UNT/Loop Creek RM 13.09	WVK-76-J.6	Iron	Unknown	1.0	Entire length	2029	No
UNT/Loop Creek RM 13.09	WVK-76-J.6	Selenium	Unknown	0.3	Mouth to RM 0.3	2029	No
UNT/Loop Creek RM 13.30	WVK-76-J.8	Selenium	Unknown	0.6	Entire length	2024	Yes
Open Fork	WVK-76-M	CNA-Biological	Unknown	1.3	Entire length	2024	Yes
Open Fork	WVK-76-M	Iron (trout)	Unknown	0.5	Mouth to RM 0.5	2029	No
UNT/Open Fork RM 0.22	WVK-76-M-1	Selenium	Unknown	0.6	Entire length	2024	Yes
Carter Branch	WVK-76-N	CNA-Biological	Unknown	1.4	Mouth to RM 1.4	2024	Yes
Taylor Branch	WVK-76-N-1	CNA-Biological	Unknown	1.3	Entire length	2024	Yes
Taylor Branch	WVK-76-N-1	Iron (trout)	Unknown	1.3	Entire length	2029	No
UNT/Taylor Branch RM 0.57	WVK-76-N-1-A	Iron	Unknown	0.4	Entire length	2029	No

**UPPER OHIO NORTH WATERSHED - HUC# 05030101**

*8 streams 46 miles*

Ohio River (Upper North)	WVO-un	Bacteria	Unknown	31.4	MP 71.4 to MP 40 (PA line)	2017	Yes
Ohio River (Upper North)	WVO-un	Dioxin	Unknown	31.4	MP 71.4 to MP 40 (PA line)	2026	Yes
Ohio River (Upper North)	WVO-un	Iron	Unknown	14.4	MP 54.4 to MP 40 (PA line)	2020	Yes
Mahan Run	WVO-96	CNA-Biological	Unknown	2.8	Entire length	2019	Yes
UNT/Mahan Run RM 2.04	WVO-96-A	CNA-Biological	Unknown	1.0	Entire length	2024	Yes
Kings Creek	WVO-98	CNA-Biological	Unknown	6.5	Mouth to RM 6.5	2029	No
UNT/Ohio River RM 46.14	WVO-104.7	Iron	Unknown	0.7	Entire length	2029	No
Middle Run	WVO-107	CNA-Biological	Unknown	1.3	Mouth to RM 1.3	2024	Yes
Marks Run	WVO-108	CNA-Biological	Unknown	1.7	Entire length	2019	Yes
UNT/Marks Run RM 0.89	WVO-108-A	CNA-Biological	Unknown	0.7	Entire length	2024	Yes

**YOUGHIOGHENY WATERSHED - HUC# 05020006**

*1 streams 6 miles*

Youghiogheny River	WVMY	CNA-Biological	Unknown	6.2	Entire portion in WV	2029	Yes
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Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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## HYDROLOGIC GROUP B

### COAL WATERSHED - HUC# 05050009

*101 streams 290 miles*

Coal River	WVKC	CNA-Biological	Unknown	7.6	RM 11.3 to Forks (Big/Little Coal River)	2030	Yes
Fuquay Creek	WVKC-8	CNA-Biological	Unknown	5.4	Entire length	2025	Yes
Cobb Creek	WVKC-10-E	CNA-Biological	Unknown	1.2	Mouth to RM 1.2	2025	Yes
Ely Fork	WVKC-10-E-2	CNA-Biological	Unknown	3.6	Entire length	2025	Yes
Big Horse Creek	WVKC-10-I	Selenium	Unknown	4.1	RM 0.6 to HW	2025	Yes
UNT/Big Horse Creek RM 5.55	WVKC-10-I-5.7	pH	Unknown	0.8	Entire length	2030	No
Boone Block Hollow	WVKC-10-I-6-A-1	Selenium	Unknown	1.0	Entire length	2025	Yes
Jule Webb Fork	WVKC-10-I-11	Selenium	Unknown	1.4	Entire length	2025	Yes
Right Fork/Little Horse Creek	WVKC-10-J-1	Aluminum (d)	Unknown	2.6	Entire length	2030	No
Right Fork/Little Horse Creek	WVKC-10-J-1	pH	Unknown	2.6	Entire length	2030	No
Slippery Gut Branch	WVKC-10-M	CNA-Biological	Unknown	1.9	Entire length	2025	Yes
Slippery Gut Branch	WVKC-10-M	Selenium	Unknown	1.1	Mouth to RM 1.1	2030	No
Adkins Fork	WVKC-10-O-1.7	Iron	Unknown	0.5	Entire length	2030	No
Spruce Fork	WVKC-10-T	CNA-Biological	Unknown	31.0	Entire length	2025	Yes
Spruce Fork	WVKC-10-T	Selenium	Unknown	8.8	RM 22.2 to HW (to fks)	2025	Yes
Trace Branch	WVKC-10-T-11-B	Selenium	Unknown	2.2	Entire length	2025	Yes
UNT/Trace Branch RM 0.64	WVKC-10-T-11-B-1	Selenium	Unknown	0.9	Entire length	2025	Yes
UNT/Jigly Branch RM 0.48	WVKC-10-T-11-G-1-A	Selenium	Unknown	2.5	Entire length	2030	No
Dennison Fork	WVKC-10-T-11-K	CNA-Biological	Unknown	2.3	Entire length	2030	No
Dennison Fork	WVKC-10-T-11-K	Selenium	Unknown	2.3	Entire length	2030	No
Rockhouse Creek	WVKC-10-T-13	CNA-Biological	Mining	0.8	Mouth to RM 0.8	2020	Yes
Left Fork/Beech Creek	WVKC-10-T-15-A	CNA-Biological	Mining	2.4	Entire length	2020	Yes
White Oak Branch	WVKC-10-T-22	Selenium	Unknown	1.4	Mouth to RM 1.4	2025	Yes

## 2016 Section 303(d) List

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Garland Fork	WVKC-10-T-23	CNA-Biological	Unknown	1.2	Mouth to RM 1.2	2025	Yes
Garland Fork	WVKC-10-T-23	Selenium	Unknown	3.2	Entire length	2025	Yes
Abe burgess Fork	WVKC-10-T-23-C	Selenium	Unknown	1.9	Entire length	2025	Yes
Brushy Fork	WVKC-10-T-24	Selenium	Unknown	3.8	Entire length	2025	Yes
Avis Fork	WVKC-10-T-24-B	CNA-Biological	Unknown	1.5	Entire length	2025	Yes
Laurel Fork	WVKC-10-T-25	Selenium	Unknown	4.2	Entire length	2030	No
Pond Fork	WVKC-10-U	pH	Unknown	5.0	RM 6.9 to RM 8.1 and RM 32.8 to HW	2030	No
Robinson Creek	WVKC-10-U-3	CNA-Biological	Unknown	5.3	Entire length	2025	Yes
Robinson Creek	WVKC-10-U-3	Selenium	Unknown	4.0	RM 1.3 to HW	2025	Yes
Bull Creek	WVKC-10-U-5	Selenium	Unknown	3.5	Entire length	2025	Yes
UNT/Bull Creek RM 2.69	WVKC-10-U-5-G	Selenium	Unknown	0.5	Entire length	2025	Yes
UNT/Pond Fork RM 11.32	WVKC-10-U-6.5	Aluminum (d)	Unknown	1.0	Entire length	2030	No
UNT/Pond Fork RM 11.32	WVKC-10-U-6.5	pH	Unknown	1.0	Entire length	2030	No
West Fork/Pond Fork	WVKC-10-U-7	pH	Unknown	1.1	RM 5.8 to RM 6.9	2030	No
West Fork/Pond Fork	WVKC-10-U-7	Selenium	Unknown	6.7	RM 5.8 to RM 12.5	2025	Yes
Whites Branch	WVKC-10-U-7-B	CNA-Biological	Unknown	3.8	Entire length	2025	Yes
Browns Branch	WVKC-10-U-7-D	Aluminum (d)	Unknown	3.2	Entire length	2030	No
Browns Branch	WVKC-10-U-7-D	pH	Unknown	3.2	Entire length	2030	No
Bandy Branch	WVKC-10-U-7-E	Selenium	Unknown	2.8	Entire length	2025	Yes
Mudlick Branch	WVKC-10-U-7-E-1	Selenium	Unknown	2.0	Entire length	2025	Yes
Little Ugly Branch	WVKC-10-U-7-G	Selenium	Unknown	1.5	Entire length	2030	No
James Creek	WVKC-10-U-7-I	CNA-Biological	Unknown	1.4	RM 0.8 to HW	2025	Yes
UNT/West Fork RM 9.41/Pond Fork	WVKC-10-U-7-I.3	Selenium	Unknown	0.4	Entire length	2025	Yes
UNT/James Creek RM 0.22 (Left Fork)	WVKC-10-U-7-I-1	CNA-Biological	Unknown	2.1	RM 0.8 to HW	2025	Yes
Matts Creek	WVKC-10-U-7-J	Selenium	Unknown	3.9	Entire length	2025	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
UNT/Pond Fork RM 14.72	WVVC-10-U-7.8	Selenium	Unknown	1.4	Entire length	2030	No
UNT/Pond Fork RM 15.92	WVVC-10-U-8.1	Selenium	Unknown	0.9	Entire length	2030	No
Jarrell Branch	WVVC-10-U-11	CNA-Biological	Unknown	3.9	Entire length	2025	Yes
Jarrell Branch	WVVC-10-U-11	Selenium	Unknown	3.9	Entire length	2025	Yes
Trace Fork	WVVC-10-U-12-A	CNA-Biological	Unknown	0.9	Entire length	2025	Yes
Workman Branch	WVVC-10-U-15	CNA-Biological	Unknown	1.8	Entire length	2025	Yes
James Branch	WVVC-10-U-16	CNA-Biological	Mining	2.3	Mouth to RM 2.3	2020	Yes
UNT/James Branch RM 0.52	WVVC-10-U-16-A	CNA-Biological	Unknown	0.5	Mouth to RM 0.5	2025	Yes
Big Coal River	WVVC-Big	Selenium	Unknown	6.9	RM 25.7 to RM 32.6	2025	Yes
River Fork	WVVC-14-A	CNA-Biological	Unknown	2.7	Entire length	2025	Yes
Brier Creek	WVVC-13	CNA-Biological	Unknown	8.4	Entire length	2025	Yes
Fork Creek	WVVC-14	CNA-Biological	Unknown	3.6	Mouth to RM 3.6	2025	Yes
Fork Creek	WVVC-14	Selenium	Unknown	2.5	Mouth to RM 2.5	2025	Yes
UNT/River Fork RM 1.33	WVVC-14-A-2	CNA-Biological	Unknown	0.3	Entire length	2030	No
Dave Fork	WVVC-14-D-2	Selenium	Unknown	1.1	Entire length	2030	No
Bull Creek	WVVC-16	Selenium	Unknown	2.7	Entire length	2030	No
Left Fork/Bull Creek	WVVC-16-A	CNA-Biological	Unknown	2.9	Entire length	2025	Yes
Left Fork/Bull Creek	WVVC-16-A	Selenium	Unknown	2.4	RM 0.5 to HW	2030	No
UNT/Left Fork RM 1.17/Bull Creek	WVVC-16-A-2	Selenium	Unknown	0.8	Entire length	2030	No
Road Fork	WVVC-16-D	Selenium	Unknown	1.7	Entire length	2025	Yes
Mikes Run	WVVC-16-0.1A	Selenium	Unknown	1.5	Entire length	2030	No
Roundbottom Creek	WVVC-23	CNA-Biological	Unknown	1.8	Entire length	2025	Yes
Mill Branch	WVVC-25.5	CNA-Biological	Unknown	1.1	Entire length	2025	Yes
Joes Creek	WVVC-29	Selenium	Unknown	7.2	Entire length	2030	No
UNT/Big Coal River RM 23.83	WVVC-30.8	CNA-Biological	Unknown	0.7	Mouth to RM 0.7	2025	Yes
Carrow Fork	WVVC-29-A-2	CNA-Biological	Unknown	1.6	Entire length	2025	Yes
UNT/Joes Creek RM 6.61	WVVC-29-G	Iron	Unknown	0.5	Entire length	2030	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Laurel Creek	WVVC-31	CNA-Biological	Unknown	8.6	Entire length	2025	Yes
Laurel Creek	WVVC-31	Selenium	Unknown	8.6	Entire length	2025	Yes
Hopkins Fork	WVVC-31-B	Aluminum (trout) (d)	Unknown	5.9	Mouth to RM 5.9	2030	No
Hopkins Fork	WVVC-31-B	CNA-Biological	Unknown	11.3	Entire length	2025	Yes
Big Jarrells Creek	WVVC-31-B-2	CNA-Biological	Unknown	4.4	Mouth to RM 4.38	2025	Yes
Little Jarrells Creek	WVVC-31-B-2-A	CNA-Biological	Unknown	2.2	Entire length	2030	No
Little Jarrells Creek	WVVC-31-B-2-A	Selenium	Unknown	2.2	Entire length	2030	No
UNT/Laurel Creek RM 3.46	WVVC-31-B.4	pH	Unknown	1.3	Entire length	2030	No
Stolling Fork	WVVC-31-I	Selenium	Unknown	2.5	Entire length	2025	Yes
UNT/Moccasin Hollow RM 0.31	WVVC-35-E-2-A	CNA-Biological	Unknown	0.5	Entire length	2025	Yes
White Oak Creek	WVVC-35	CNA-Biological	Unknown	5.5	Entire length	2025	Yes
Little White Oak Creek	WVVC-35-A	Iron	Unknown	1.0	RM 1.3 to HW	2030	No
Moccasin Hollow	WVVC-35-E-2	CNA-Biological	Unknown	0.4	Mouth to RM 0.4	2025	Yes
Little Elk Creek	WVVC-39	Selenium	Unknown	0.7	Mouth to RM 0.7	2030	No
Seng Creek	WVVC-42	CNA-Biological	Mining	5.9	Entire length	2020	Yes
Little Marsh Fork	WVVC-46-A	CNA-Biological	Unknown	6.2	Entire length	2025	Yes
Little Marsh Fork	WVVC-46-A	pH	Unknown	1.0	RM 5.2 to HW	2030	No
Little Marsh Fork	WVVC-46-A	Selenium	Unknown	3.7	Mouth to RM 3.7	2030	No
Brushy Fork	WVVC-46-A-4	Selenium	Unknown	1.9	Entire length	2025	Yes
Bacon Hollow	WVVC-46-A-5	Selenium	Unknown	1.0	Entire length	2025	Yes
Beetree Branch	WVVC-46-A-6	CNA-Biological	Unknown	0.0	Mouth to RM 0.03	2025	Yes
UNT/Marsh Fork RM 4.13 (Upper Big Branch)	WVVC-46-A.7	Selenium	Unknown	2.5	Entire length	2025	Yes
UNT/UNT RM 0.73/Marsh Fork RM 4.13	WVVC-46-A.7-2	Iron	Unknown	1.1	Entire length	2030	No
Ellis Creek	WVVC-46-B	CNA-Biological	Mining	1.2	Mouth to RM 1.2	2020	Yes
Hazy Creek	WVVC-46-C	CNA-Biological	Unknown	4.2	Mouth to RM 4.2	2025	Yes
Rock Creek	WVVC-46-I	CNA-Biological	Unknown	5.2	Entire length	2025	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
UNT/Breckenridge Creek RM 3.22	WVVC-46-L-1.8	Iron	Unknown	1.3	Entire length	2030	No
Spanker Branch	WVVC-46-M	CNA-Biological	Unknown	2.0	Entire length	2025	Yes
Rockhouse Creek	WVVC-47-A	CNA-Biological	Unknown	3.3	Entire length	2025	Yes
Rockhouse Creek	WVVC-47-A	Selenium	Unknown	3.3	Entire length	2025	Yes
UNT/Rockhouse Creek RM 0.99	WVVC-47-A-2	Selenium	Unknown	1.6	Entire length	2025	Yes
UNT/Rockhouse Creek RM 2.04	WVVC-47-A-5	Selenium	Unknown	1.3	Entire length	2025	Yes
Gardner Branch	WVVC-47-B	Selenium	Unknown	1.4	Entire length	2025	Yes
Laurel Branch	WVVC-47-D	Selenium	Unknown	1.3	Entire length	2025	Yes
Speed Branch	WVVC-47-E-1	pH	Unknown	1.1	Entire length	2030	No
Long Branch	WVVC-47-G	pH	Unknown	2.1	RM 0.5 to HW	2030	No
Long Branch	WVVC-47-G	Selenium	Unknown	2.1	RM 0.5 to HW	2030	No
Fulton Creek	WVVC-47-I	CNA-Biological	Unknown	3.2	Entire length	2025	Yes
White Oak Creek	WVVC-47-K	Selenium	Unknown	4.0	Entire length	2025	Yes
Horse Creek	WVVC-47-K.5	Selenium	Unknown	1.9	Entire length	2025	Yes
Toney Fork	WVVC-47-L	CNA-Biological	Mining	2.1	Mouth to RM 2.1	2020	Yes
Toney Fork	WVVC-47-L	Selenium	Unknown	3.1	Entire length	2025	Yes
Buffalo Fork	WVVC-47-L-1	CNA-Biological	Mining	1.1	Mouth to RM 1.1	2020	Yes
Buffalo Fork	WVVC-47-L-1	Selenium	Unknown	2.5	Entire length	2025	Yes
Ewing Fork	WVVC-47-L-2	CNA-Biological	Unknown	1.9	Entire length	2025	Yes
Ewing Fork	WVVC-47-L-2	Selenium	Unknown	1.9	Entire length	2025	Yes
Reeds Branch	WVVC-47-L-3	CNA-Biological	Unknown	1.3	Entire length	2025	Yes
Reeds Branch	WVVC-47-L-3	Selenium	Unknown	1.3	Entire length	2030	No
Workman Creek	WVVC-47-O	Iron	Unknown	0.6	RM 2.9 to HW	2030	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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**ELK WATERSHED - HUC# 05050007***1 Lake 1500 acres 23 streams 152 miles*

Elk River	WVKE	CNA-Biological	Unknown	26.0	Mouth to RM 26.0	2025	Yes
Sutton Lake	WVKE-(L1)	Methylmercury	Unknown	1500.0	Entire lake	2025	Yes
Pigeonroost Fork	WVKE-14-G-3	CNA-Biological	Unknown	1.9	Entire length	2025	Yes
Laurel Creek	WVKE-37	CNA-Biological	Unknown	7.6	Entire length	2025	Yes
Leatherwood Creek	WVKE-46	CNA-Biological	Mining	11.3	Entire length	2020	Yes
Right Fork/Leatherwood Creek	WVKE-46-C	CNA-Biological	Mining	4.0	Entire length	2020	Yes
Road Fork	WVKE-46-D	CNA-Biological	Mining	2.4	Entire length	2020	Yes
Sycamore Run	WVKE-50-B-9	Selenium	Unknown	1.4	Entire length	2030	No
Elm Creek	WVKE-50-O-2	pH	Unknown	4.6	Entire length	2030	No
Thrashhouse Run	WVKE-50-O-5	pH	Unknown	1.9	Entire length	2030	No
UNT/Taylor Creek RM 4.27	WVKE-50-P-2	Aluminum (d)	Unknown	0.9	Entire length	2030	No
UNT/Taylor Creek RM 4.27	WVKE-50-P-2	pH	Unknown	0.9	Entire length	2030	No
Birch River	WVKE-76	CNA-Biological	Unknown	10.9	RM 24.6 to RM 35.5	2030	Yes
Little Birch River	WVKE-76-E	Selenium	Unknown	19.8	Entire length	2025	Yes
UNT/Bragg Run RM 0.66	WVKE-76-S-2	Aluminum (d)	Unknown	0.6	Entire length	2030	No
UNT/Bragg Run RM 0.66	WVKE-76-S-2	pH	Unknown	0.6	Entire length	2030	No
Jacks Run	WVKE-76-W	CNA-Biological	Mining	0.2	Mouth to RM 0.2	2020	Yes
Right Fork/Holly River	WVKE-98-B	CNA-Biological	Unknown	6.8	Mouth to RM 6.8	2025	Yes
Left Fork/Holly River	WVKE-98-C	CNA-Biological	Unknown	21.0	Mouth to RM 21.0	2030	Yes
Laurel Creek	WVKE-102	CNA-Biological	Unknown	9.4	RM 4.9 to RM 14.3	2025	Yes
Laurel Creek	WVKE-102	Iron (trout)	Unknown	8.3	RM 13.6 to HW	2030	No
Brooks Creek	WVKE-102-C	Iron	Unknown	2.6	RM 2.4 to HW	2030	No
UNT/Laurel Creek RM 4.86	WVKE-102-C.3	Iron	Unknown	0.6	Entire length	2030	No
Missouri Creek	WVKE-102-F	Selenium	Unknown	3.4	Entire length	2030	No
UNT/Missouri Creek RM 0.93	WVKE-102-F-1	Iron	Unknown	1.8	Entire length	2030	No
UNT/Missouri Creek RM 1.39	WVKE-102-F-2	Selenium	Unknown	2.1	Entire length	2030	No
Glade Run	WVKE-102-H	Selenium	Unknown	3.0	Entire length	2030	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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**LOWER KANAWHA WATERSHED - HUC# 05050008***2 Lake 49 acres 5 streams 71 miles*

Kanawha River (Lower)	WVK-lo	Fecal Coliform	Unknown	25.7	RM 32.2 to RM 57.9 (Confluence with Elk R)	2025	Yes
Kanawha River (Lower)	WVK-lo	PCBs	Unknown	53.5	Mouth to RM 53.5 (Dunbar)	2025	Yes
Krodel Lake	WVK-1-(L1)	Chlorophyll-A	Unknown	22.0	Entire lake	2025	Yes
Krodel Lake	WVK-1-(L1)	Phosphorus	Unknown	22.0	Entire lake	2025	Yes
Second Branch	WVK-26.8	CNA-Biological	Unknown	2.0	Entire length	2025	Yes
Ridenour Lake	WVK-30-A-(L1)	Phosphorus	Unknown	27.0	Entire lake	2025	Yes
Middle Fork/Davis Creek	WVK-39-E	CNA-Biological	Unknown	6.0	Entire length	2025	Yes
Kanawha Fork	WVK-39-M	Aluminum (d)	Unknown	1.9	RM 0.5 to HW	2030	No
Kanawha Fork	WVK-39-M	CNA-Biological	Unknown	2.4	Entire length	2025	Yes
Kanawha Fork	WVK-39-M	pH	Unknown	1.9	RM 0.5 to HW	2030	No
Joplin Branch	WVK-42	CNA-Biological	Unknown	2.9	Entire length	2025	Yes

**NORTH BRANCH POTOMAC WATERSHED - HUC# 05020001***9 stream 29 miles*

Deep Run	WVPNB-15	Aluminum (trout) (d)	Unknown	4.4	Entire length	2030	No
UNT/Deep Run RM 2.46	WVPNB-15-B	pH	Unknown	0.7	Entire length	2030	No
UNT/Emory Creek RM 0.78	WVPNB-16-A-1	Iron	Unknown	0.4	RM 0.6 to HW	2030	No
Laurel Run	WVPNB-16-C	CNA-Biological	Unknown	3.0	Entire length	2025	Yes
Stony River	WVPNB-17	Aluminum (d)	Unknown	1.9	RM 10.5 to RM 12.4 (Fourmile Run)	2030	No
Stony River	WVPNB-17	Aluminum (trout) (d)	Unknown	12.6	Mouth to RM 7.3 (Mill Run), RM 18.7 (upstream Mount Storm Lake) to RM 21.2 (Stony River)	2030	No

**WEST VIRGINIA**

**2016 Section 303(d) List**

**WEST VIRGINIA**

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
UNT/Laurel Run RM 0.78	WVPNB-17-B.5-1	Aluminum (d)	Unknown	0.6	RM 0.4 to HW	2030	No
UNT/Laurel Run RM 0.78	WVPNB-17-B.5-1	Iron	Unknown	0.6	RM 0.4 to HW	2030	No
UNT/Laurel Run RM 0.78	WVPNB-17-B.5-1	pH	Unknown	1.0	Entire length	2030	No
Laurel Run	WVPNB-17-D	CNA-Biological	Unknown	1.4	Entire length	2030	No
UNT/North Branch Potomac River RM 84.48	WVPNB-17.8	CNA-Biological	Unknown	0.2	Mouth to RM 0.23	2030	No
Buffalo Creek	WVPNB-19	Aluminum (trout) (d)	Unknown	3.8	Entire length	2030	No

**TYGART VALLEY WATERSHED - HUC# 05020001**

*35 streams 154 miles*

Tygart Valley River	WVMT	CNA-Algae	Unknown	16.9	RM 73.2 to RM 90.1 (Dodson Run)	2025	Yes
Goose Creek	WVMT-4	CNA-Biological	Unknown	0.9	Mouth to RM 0.9	2030	Yes
Berkeley Run	WVMT-11	CNA-Biological	Unknown	7.2	Entire length	2025	Yes
Shelby Run	WVMT-11-A	CNA-Biological	Unknown	3.6	Entire length	2030	Yes
Long Run	WVMT-11-B	CNA-Biological	Unknown	3.6	Entire length	2030	No
Three Fork Creek	WVMT-12	CNA-Biological	Unknown	18.7	Entire length	2025	Yes
UNT/Three Fork Creek RM 2.02	WVMT-12-0.5A	CNA-Biological	Unknown	5.0	Entire length	2030	No
Raccoon Creek	WVMT-12-C	CNA-Biological	Unknown	8.8	Entire length	2025	Yes
Stacks Run	WVMT-12-G-1-A	Iron	Unknown	2.2	Entire length	2030	No
Birds Creek	WVMT-12-H	CNA-Biological	Unknown	5.5	Entire length	2025	Yes
Squires Creek	WVMT-12-H-1	CNA-Biological	Unknown	4.5	Entire length	2025	Yes
UNT/Squires Creek RM 2.40	WVMT-12-H-1-B	CNA-Biological	Unknown	2.1	Entire length	2025	Yes
UNT/Birds Creek RM 2.57	WVMT-12-H-4	CNA-Biological	Unknown	2.2	Entire length	2020	Yes
Maple Run	WVMT-18-E-1	CNA-Biological	Unknown	4.8	Entire length	2025	Yes
Left Fork/Little Sandy Creek	WVMT-18-E-3	CNA-Biological	Unknown	5.4	Entire length	2025	Yes
Hackers Creek	WVMT-26	CNA-Biological	Unknown	4.6	Entire length	2025	Yes
Foxgrape Run	WVMT-26-B	CNA-Biological	Unknown	3.4	Entire length	2025	Yes
Little Hackers Creek	WVMT-26-C	CNA-Biological	Unknown	1.6	Entire length	2025	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Anglins Run	WVMT-29	CNA-Biological	Unknown	2.6	Entire length	2030	No
Pecks Run	WVMTB-5	CNA-Biological	Unknown	8.2	Entire length	2025	Yes
Sugar Run	WVMTB-10-A	CNA-Biological	Unknown	1.7	Entire length	2030	No
Sawmill Run	WVMTB-20	CNA-Biological	Unknown	1.6	Entire length	2025	Yes
UNT/Sawmill Run RM 0.23	WVMTB-20-A	Selenium	Unknown	1.1	Entire length	2025	Yes
UNT/Grassy Run RM 0.72	WVMTB-21-A	pH	Unknown	0.9	Entire length	2030	No
Tenmile Creek	WVMTB-25	Aluminum (trout) (d)	Unknown	3.3	RM 1.1 to HW	2030	No
Tenmile Creek	WVMTB-25	CNA-Biological	Unknown	4.4	Entire length	2025	Yes
Right Fork/Buckhannon River	WVMTB-31	CNA-Biological	Unknown	10.2	Mouth to RM 10.2	2025	Yes
Beech Run	WVMTB-32-H	CNA-Biological	Unknown	5.2	Entire length	2025	Yes
Laurel Run	WVMTM-11-B	pH	Unknown	1.9	Entire length	2030	No
UNT/Cassity Fork RM 0.76	WVMTM-16-0.5A	CNA-Biological	Unknown	1.3	Entire length	2030	Yes
Three Forks Run	WVMTM-17	CNA-Biological	Unknown	2.6	Entire length	2025	Yes
Pleasant Run	WVMTM-21	CNA-Biological	Unknown	2.3	Entire length	2025	Yes
Beaver Creek	WVMT-37	CNA-Biological	Unknown	4.6	Entire length	2030	No
Grassy Run	WVMT-41	CNA-Biological	Unknown	2.8	Entire length	2025	Yes
UNT/Roaring Creek RM 4.09	WVMT-42-0.8A	CNA-Biological	Unknown	1.2	Entire length	2025	Yes
UNT/Tygart Valley River RM 81.92	WVMT-43.8	CNA-Biological	Unknown	0.5	Entire length	2030	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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## HYDROLOGIC GROUP C

### GAULEY WATERSHED - HUC# 05050005

1 Lake 2700 acres 65 streams 235 miles

Summersville Lake	WVKG-(L1)	Methylmercury	Unknown	2700.0	Entire lake	2026	Yes
Scrabble Creek	WVKG-1	CNA-Biological	Mining	1.2	Mouth to RM 1.2	2021	Yes
Left Fork/Scrabble Creek	WVKG-1-A	CNA-Biological	Mining	2.2	Entire length	2021	Yes
Sand Branch	WVKG-2	Iron	Unknown	2.5	Entire length	2031	No
Big Creek	WVKG-3	Selenium	Unknown	3.1	Entire length	2026	Yes
Twentymile Creek	WVKG-5	Selenium	Unknown	9.7	RM 7.4 to RM 17.1	2026	Yes
Buckles Branch	WVKG-5-A	CNA-Biological	Unknown	1.8	Entire length	2026	Yes
UNT/Bells Creek RM 4.39	WVKG-5-B-5.1	Selenium	Unknown	1.0	Entire length	2026	Yes
Hardway Branch	WVKG-5-K	Selenium	Unknown	2.0	Entire length	2026	Yes
Peters Fork	WVKG-5-K-1	Selenium	Unknown	1.6	Entire length	2026	Yes
UNT/Hardway Branch RM 1.00	WVKG-5-K-2	pH	Unknown	0.6	Entire length	2031	No
Boardtree Branch	WVKG-5-M	CNA-Biological	Mining	2.1	Entire length	2021	Yes
Sugarcamp Branch	WVKG-5-N	CNA-Biological	Unknown	0.1	Entire length	2031	Yes
Stillhouse Branch	WVKG-5-O	CNA-Biological	Mining	1.9	Entire length	2021	Yes
Robinson Fork	WVKG-5-P	CNA-Biological	Mining	3.6	Entire length	2021	Yes
Right Fork/Robinson Fork	WVKG-5-P-1	CNA-Biological	Unknown	1.4	Entire length	2026	Yes
Road Fork/Robinson Fork	WVKG-5-P-2	Selenium	Unknown	2.3	Entire length	2031	No
Rader Fork	WVKG-5-R	pH	Unknown	1.3	RM 1.2 to RM 2.5	2031	No
Laurel Run	WVKG-5-R-2	Iron	Unknown	1.2	Entire length	2031	No
UNT/Rader Fork RM 1.48	WVKG-5-R-3	Iron	Unknown	0.6	Entire length	2031	No
Lick Branch	WVKG-6-A	CNA-Biological	Unknown	1.3	Entire length	2031	No
Hutchison Branch	WVKG-13-K-1	pH	Unknown	1.3	RM 1.4 to HW	2031	No
UNT/Hutchison Branch RM 1.03	WVKG-13-K-1-A	Iron	Unknown	0.7	Entire length	2031	No
Meadow Creek	WVKG-17	Iron	Unknown	0.4	RM 5.7 to HW	2031	No
UNT/Meadow Creek RM 4.33	WVKG-17-E	Iron	Unknown	1.0	Entire length	2031	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
UNT/Brackens Creek RM 1.57	WVKG-19-J-1.5	CNA-Biological	Unknown	1.9	Entire length	2031	No
Otter Creek	WVKG-19-W	Iron	Unknown	6.5	Entire length	2031	Yes
Muddlety Creek	WVKG-26	Aluminum (d)	Unknown	4.0	RM 23.0 to HW	2031	No
Muddlety Creek	WVKG-26	pH	Unknown	4.0	RM 23.0 to HW	2031	No
UNT/McMillion Creek RM 4.16	WVKG-26-I-0.6	Selenium	Unknown	1.7	Entire length	2026	Yes
Crooked Run	WVKG-26-O-1	Selenium	Unknown	1.1	Entire length	2026	Yes
Tedrow Branch	WVKG-26-Q-2	Selenium	Unknown	1.1	Entire length	2031	No
UNT/Muddlety Creek RM 22.04	WVKG-26-U	pH	Unknown	0.4	Entire length	2031	No
Big Beaver Creek	WVKG-30	Selenium	Unknown	3.1	RM 13.3 to HW	2026	Yes
Left Fork/Big Beaver Creek	WVKG-30-I	CNA-Biological	Unknown	1.9	Entire length	2026	Yes
Left Fork/Big Beaver Creek	WVKG-30-I	Iron	Unknown	1.2	RM 0.7 to HW	2031	No
UNT/Left Fork RM 0.77/Big Beaver Creek	WVKG-30-I-2	CNA-Biological	Unknown	1.0	Entire length	2026	Yes
UNT/Left Fork RM 0.77/Big Beaver Creek	WVKG-30-I-2	Iron	Unknown	1.0	Entire length	2031	No
UNT/Left Fork RM 0.77/Big Beaver Creek	WVKG-30-I-2	pH	Unknown	1.0	Entire length	2031	No
Bearpen Fork	WVKG-30-L	pH	Unknown	2.0	Mouth to RM 2.0	2031	No
UNT/Upper Laurel Run RM 0.27	WVKG-30-P-1	pH	Unknown	0.8	Entire length	2031	No
Board Fork	WVKG-30-Q	Selenium	Unknown	2.8	Mouth to RM 2.8	2026	Yes
O'brien Fork	WVKG-30-S	Iron	Unknown	4.0	Entire length	2031	No
O'brien Fork	WVKG-30-S	Selenium	Unknown	2.3	Mouth to RM 2.3	2026	Yes
Adkins Lick Creek	WVKG-32-C	Aluminum (d)	Unknown	1.5	Entire length	2031	No
Adkins Lick Creek	WVKG-32-C	pH	Unknown	1.5	Entire length	2031	No
Jims Branch	WVKG-32-G	Iron (trout)	Unknown	4.6	Entire length	2026	Yes
Middle Branch/Laurel Creek	WVKG-34-E-11	Iron (trout)	Unknown	3.0	Entire length	2031	No
Middle Branch/Laurel Creek	WVKG-34-E-11	pH	Unknown	3.0	Entire length	2031	No
South Fork/Cherry River	WVKG-34-G	pH	Unknown	6.4	RM 9.0 to RM 15.4	2031	No

## 2016 Section 303(d) List

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Elklick Run	WVKG-34-G-5	Iron (trout)	Unknown	1.9	Entire length	2026	Yes
Becky Run	WVKG-34-G-8	Iron (trout)	Unknown	3.6	Entire length	2031	No
Blue Knob Branch	WVKG-34-G-10-B	Aluminum (trout) (d)	Unknown	1.5	Entire length	2031	No
Blue Knob Branch	WVKG-34-G-10-B	Iron (trout)	Unknown	1.5	Entire length	2031	No
Blue Knob Branch	WVKG-34-G-10-B	pH	Unknown	1.5	Entire length	2031	No
North Fork/Cherry River	WVKG-34-H	Aluminum (trout) (d)	Unknown	21.6	Entire length	2026	Yes
Desert Branch	WVKG-34-H-2	pH	Unknown	1.9	Entire length	2026	Yes
Hunters Run	WVKG-34-H-4	pH	Unknown	2.7	Entire length	2026	Yes
Rabbit Run	WVKG-34-H-11	pH	Unknown	1.4	Entire length	2026	Yes
Bear Run	WVKG-34-H-14	pH	Unknown	2.2	Entire length	2026	Yes
Cranberry River	WVKGC	Aluminum (trout) (d)	Unknown	27.6	Entire length	2026	Yes
Bear Run	WVKGC-6	pH	Unknown	3.1	Entire length	2026	Yes
Bee Run	WVKGC-7	pH	Unknown	2.3	Entire length	2031	No
Mill Branch	WVKGC-11	pH	Unknown	1.7	Entire length	2026	Yes
Queer Branch	WVKGC-13	pH	Unknown	2.1	Entire length	2026	Yes
Hanging Rock Branch	WVKGC-15	pH	Unknown	1.6	Entire length	2026	Yes
Rough Run	WVKGC-17	pH	Unknown	2.7	Entire length	2026	Yes
South Fork/Cranberry River	WVKGC-23	Iron (trout)	Unknown	6.0	Entire length	2026	Yes
Big Ditch Run	WVKG-46	CNA-Biological	Unknown	3.1	Entire length	2026	Yes
Williams River	WVKGW	Aluminum (trout) (d)	Unknown	29.8	RM 3.0 to HW	2026	Yes
Middle Fork/Williams River	WVKGW-10	Aluminum (trout) (d)	Unknown	12.9	Entire length	2026	Yes
Little Fork	WVKGW-10-A	pH	Unknown	3.4	Entire length	2026	Yes
Beechy Run	WVKGW-10-C	pH	Unknown	3.9	Entire length	2026	Yes
UNT/Williams River RM 15.86	WVKGW-12.4	CNA-Biological	Unknown	1.4	Entire length	2026	Yes
Sugar Creek	WVKGW-21	Aluminum (trout) (d)	Unknown	3.8	Entire length	2026	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
<b>LOWER GUYANDOTTE WATERSHED - HUC# 05070102</b>						<i>1 Lake 17 acres 61 streams 251 miles</i>	
Guyandotte River (Lower)	WVOG-lo	CNA-Biological	Unknown	37.0	RM 44.2 to RM 81.2 (confluence at Island Creek)	2021	Yes
Tanyard Branch	WVOGM-1.5	CNA-Biological	Unknown	1.5	Entire length	2021	Yes
Little Cabell Creek	WVOGM-3	CNA-Biological	Unknown	3.3	Entire length	2021	Yes
Big Cabell Creek	WVOGM-4	CNA-Biological	Unknown	7.4	Entire length	2021	Yes
Fudges Creek	WVOGM-6	CNA-Biological	Unknown	6.7	Entire length	2021	Yes
Wire Branch	WVOGM-6-0.5A	CNA-Biological	Unknown	1.9	Entire length	2021	Yes
Mill Creek	WVOGM-8	CNA-Biological	Unknown	4.2	Entire length	2021	Yes
Left Fork/Mill Creek	WVOGM-8-B	CNA-Biological	Unknown	3.7	Entire length	2021	Yes
UNT/Left Fork RM 2.48/Mill Creek	WVOGM-8-B-6	CNA-Biological	Unknown	1.3	Entire length	2021	Yes
Right Fork/Mill Creek	WVOGM-8-C	CNA-Biological	Unknown	2.8	Entire length	2021	Yes
Johns Branch	WVOGM-11	CNA-Biological	Unknown	2.5	Entire length	2021	Yes
Indian Fork	WVOGM-12-A	CNA-Biological	Unknown	6.5	Entire length	2021	Yes
Charley Creek	WVOGM-14	CNA-Biological	Unknown	8.7	Entire length	2021	Yes
Trace Creek	WVOGM-19	CNA-Biological	Unknown	3.0	Entire length	2021	Yes
Trace Fork	WVOGM-20	CNA-Biological	Unknown	17.9	RM 6.4 to HW	2021	Yes
Coon Creek	WVOGM-20-A	CNA-Biological	Unknown	3.3	Entire length	2021	Yes
Kellys Creek	WVOGM-20-I-1	CNA-Biological	Unknown	2.2	Entire length	2021	No
Straight Fork	WVOGM-22-A	CNA-Biological	Unknown	1.7	Mouth to RM 1.7	2021	Yes
Meadow Branch	WVOGM-25-A	CNA-Biological	Unknown	1.8	Entire length	2021	Yes
Straight Fork	WVOGM-25-H	CNA-Biological	Unknown	7.4	Entire length	2021	Yes
Valley Fork	WVOGM-25-H-1	CNA-Biological	Unknown	2.9	Entire length	2021	Yes
Sugartree Fork	WVOGM-25-I	CNA-Biological	Unknown	1.4	Mouth to RM 1.4	2021	Yes
Big Creek	WVOGM-35	CNA-Biological	Unknown	1.8	Mouth to RM 1.8	2021	Yes
Parsner Creek	WVOGM-38	CNA-Biological	Unknown	3.3	Entire length	2021	Yes
Left Fork/Mud River	WVOGM-39	CNA-Biological	Unknown	7.2	RM 5.0 to HW	2021	Yes

## 2016 Section 303(d) List

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Stinson Branch	WVOGM-39-E	CNA-Biological	Unknown	2.6	Entire length	2021	Yes
Upton Branch	WVOGM-40	CNA-Biological	Unknown	2.9	Entire length	2021	Yes
Ballard Fork	WVOGM-49	CNA-Biological	Unknown	2.3	Entire length	2021	Yes
UNT/Sally Fork RM 0.48	WVOGM-49-C-2	Iron	Unknown	0.4	Entire length	2021	No
Davis Creek	WVOG-3	CNA-Biological	Unknown	2.8	Entire length	2021	Yes
Edens Branch	WVOG-3-0.5A	CNA-Biological	Unknown	1.0	Entire length	2021	Yes
Barboursville Lake	WVOG-5.3-A-(L1)	Chlorophyll-A	Unknown	17.0	Entire lake	2026	Yes
Barboursville Lake	WVOG-5.3-A-(L1)	Phosphorus	Unknown	17.0	Entire lake	2026	Yes
Smith Creek	WVOG-11	CNA-Biological	Unknown	3.7	Entire length	2021	Yes
Cavill Creek	WVOG-12	CNA-Biological	Unknown	2.6	Entire length	2021	Yes
Madison Creek	WVOG-17	CNA-Biological	Unknown	4.0	Entire length	2021	Yes
Twomile Creek	WVOG-24	CNA-Biological	Unknown	3.8	Entire length	2021	Yes
Fourmile Creek	WVOG-27	CNA-Biological	Unknown	8.0	Entire length	2021	Yes
Ninemile Creek	WVOG-31	CNA-Biological	Unknown	7.1	Entire length	2021	Yes
Tenmile Creek	WVOG-32	CNA-Biological	Unknown	7.5	Entire length	2021	Yes
Lick Branch	WVOG-34-A	CNA-Biological	Unknown	2.3	Entire length	2021	Yes
Aarons Creek	WVOG-35	CNA-Biological	Unknown	3.0	Entire length	2021	Yes
Laurel Creek	WVOG-38-D	CNA-Biological	Unknown	2.3	Mouth to RM 2.3	2021	Yes
Chestnut Oak Creek	WVOG-38-D-4	Selenium	Unknown	1.9	Entire length	2021	Yes
Right Fork/Laurel Creek	WVOG-38-D-5	Selenium	Unknown	1.3	Entire length	2021	Yes
Fawn Hollow	WVOG-38-M	Selenium	Unknown	0.9	Entire length	2021	Yes
Dry Run	WVOG-41	CNA-Biological	Unknown	1.3	Entire length	2021	Yes
Short Bend Fork	WVOG-42-A	CNA-Biological	Unknown	1.2	Entire length	2021	Yes
Laurel Fork	WVOG-42-C	CNA-Biological	Unknown	1.7	Entire length	2021	Yes
West Fork/Big Harts Creek	WVOG-44-A	CNA-Biological	Unknown	2.4	Entire length	2021	Yes
Smokehouse Fork	WVOG-44-E	CNA-Biological	Unknown	8.7	Entire length	2021	Yes
Buck Fork	WVOG-44-G	CNA-Biological	Unknown	5.7	Entire length	2021	Yes
Vickers Branch	WVOG-49-C	CNA-Biological	Unknown	1.2	Entire length	2021	Yes

**WEST VIRGINIA**

**2016 Section 303(d) List**

**WEST VIRGINIA**

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
UNT/Big Creek RM 3.28	WVOG-49-C.1	CNA-Biological	Unknown	0.3	Entire length	2021	Yes
Trace Fork	WVOG-49-D	CNA-Biological	Unknown	5.9	Entire length	2021	Yes
Hurricane Branch	WVOG-49-D-1	CNA-Biological	Unknown	1.9	Entire length	2021	Yes
Garrett Fork	WVOG-49-E	CNA-Biological	Unknown	4.0	Entire length	2021	Yes
Perrys Branch	WVOG-49-E-1	CNA-Biological	Unknown	1.0	Entire length	2021	Yes
Crawley Creek	WVOG-51	CNA-Biological	Unknown	8.4	Entire length	2021	No
Crawley Creek	WVOG-51	Iron	Unknown	8.4	Entire length	2021	No
South Fork/Crawley Creek	WVOG-51-G.5	CNA-Biological	Unknown	1.8	Entire length	2021	Yes
Fowler Branch	WVOG-51.5	CNA-Biological	Unknown	1.1	Entire length	2021	Yes
Mill Creek	WVOG-59	CNA-Biological	Unknown	2.4	Entire length	2021	Yes
UNT/Snap Creek RM 0.63	WVOG-62-B	Iron	Unknown	0.2	Entire length	2021	No

**MIDDLE OHIO NORTH WATERSHED - HUC# 05030201**

*2 streams 62 miles*

Ohio River (Middle North)	WVO-mn	Bacteria	Unknown	40.1	MP 172.2 (mouth of Muskingham R) to MP 163.1; 157.7-146.9; 141.5-136.1; 131.3-127.0; 124.3-113.8 (mouth of Fish Ck)	2017	Yes
Ohio River (Middle North)	WVO-mn	Dioxin	Unknown	58.4	MP 172.2 to MP 113.8	2026	Yes
Ohio River (Middle North)	WVO-mn	Iron	Unknown	10.4	MP 172.2 to MP 161.8	2020	Yes
Scheidler Run	WVO-69-C-5	CNA-Biological	Unknown	3.6	Entire length	2026	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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**MIDDLE OHIO SOUTH WATERSHED - HUC# 05030202***4 Lake 571 acres 1 streams 94 miles*

Ohio River (Middle South)	WVO-ms	Bacteria	Unknown	79.9	MP 265.7 to MP 203.2; 193.3 to 188.4; 184.7 to 172.2 (mouth of Muskingham R)	2017	Yes
Ohio River (Middle South)	WVO-ms	Dioxin	Unknown	65.8	MP 238.0 to MP 172.2 (mouth of Muskingham R)	2026	Yes
Ohio River (Middle South)	WVO-ms	Iron	Unknown	93.5	MP 265.7 to MP 172.2 (mouth of Muskingham R)	2020	Yes
McClintic Ponds	WVO-21-(L1)	Phosphorus	Unknown	61.0	Entire lake	2026	Yes
O'Brien Lake (Mill Creek #13)	WVO-32-L-(L1)	Chlorophyll-A	Unknown	217.0	Entire lake	2026	Yes
O'Brien Lake (Mill Creek #13)	WVO-32-L-(L1)	Phosphorus	Unknown	217.0	Entire lake	2026	Yes
Elk Fork Lake	WVO-32-M-(L1)	Chlorophyll-A	Unknown	278.0	Entire lake	2031	No
Elk Fork Lake	WVO-32-M-(L1)	Methylmercury	Unknown	278.0	Entire lake	2026	Yes
Turkey Run Lake	WVO-37-(L1)	Chlorophyll-A	Unknown	15.0	Entire lake	2026	Yes
Turkey Run Lake	WVO-37-(L1)	Phosphorus	Unknown	15.0	Entire lake	2026	Yes

**POTOMAC DIRECT DRAINS WATERSHED - HUC# 02070004***8 streams 64 miles*

Rattlesnake Run	WVP-2	CNA-Biological	Unknown	4.4	Entire length	2026	Yes
Opequon Creek	WVP-4	Iron (trout)	Unknown	30.7	Entire length	2026	Yes
Buzzard Run	WVP-4-H	CNA-Biological	Unknown	2.6	Entire length	2026	No
UNT/Opequon Creek RM 10.21	WVP-4-C.4	CNA-Biological	Unknown	1.0	Entire length	2026	Yes
Roaring Run	WVP-9-B-1	CNA-Biological	Unknown	2.9	Entire length	2026	Yes
Middle Fork/Sleepy Creek	WVP-9-E	CNA-Biological	Unknown	10.2	RM 1.5 to HW	2026	Yes
Warm Spring Run	WVP-10	CNA-Biological	Unknown	10.3	Entire length	2026	Yes
UNT/Warm Spring Run RM 7.96	WVP-10-J	CNA-Biological	Unknown	1.6	Entire length	2026	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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**TUG FORK WATERSHED - HUC# 05070201***117 streams 546 miles*

Tug Fork	WVBST	CNA-Biological	Unknown	131.2	RM 27.5 to HW	2022	Yes
Tug Fork	WVBST	Fecal Coliform	Unknown	158.7	Entire length	2022	Yes
Tug Fork	WVBST	Selenium	Unknown	13.9	RM 143.2 to RM 157.1	2022	No
Mill Creek	WVBST-1	CNA-Biological	Unknown	8.7	Entire length	2022	Yes
Vinson Branch	WVBST-2	pH	Unknown	0.3	Mouth to RM 0.3	2022	No
Lost Creek	WVBST-7	CNA-Biological	Unknown	4.5	Entire length	2022	Yes
Silver Creek	WVBST-16	CNA-Biological	Unknown	2.5	Entire length	2022	Yes
Jennie Creek	WVBST-17	CNA-Biological	Unknown	12.0	Entire length	2022	Yes
Jennie Creek	WVBST-17	Iron	Unknown	1.4	RM 5.1 to RM 6.5	2022	No
Marrowbone Creek	WVBST-19	CNA-Biological	Unknown	14.1	Entire length	2022	Yes
Upper Burning Creek	WVBST-22	CNA-Biological	Unknown	1.4	Mouth to RM 1.4	2022	No
Laurel Fork	WVBST-22-B	Iron	Unknown	1.7	Entire length	2022	No
Parsley Big Branch	WVBST-23	CNA-Biological	Unknown	1.4	Mouth to RM 1.4	2022	Yes
Pigeon Creek	WVBST-24	CNA-Biological	Unknown	32.0	Entire length	2022	Yes
Pigeon Creek	WVBST-24	Selenium	Unknown	1.0	RM 31.0 to HW	2022	No
Big Branch	WVBST-24-B	Selenium	Unknown	3.9	Entire length	2022	Yes
Right Fork/Laurel Fork/Pigeon Creek	WVBST-24-E-1	CNA-Biological	Unknown	6.7	Mouth to RM 6.7	2022	Yes
Spruce Fork	WVBST-24-E-2	CNA-Biological	Unknown	3.0	Entire length	2022	No
Middle Fork/Spruce Fork	WVBST-24-E-2-A-1	Selenium	Unknown	2.2	Entire length	2022	Yes
UNT/Laurel Fork RM 9.61	WVBST-24-E-7.3	CNA-Biological	Unknown	0.7	Entire length	2022	Yes
UNT/Pigeon Creek RM 6.72 (White Branch)	WVBST-24-G	Iron	Unknown	0.9	Entire length	2022	No
Right Fork/Trace Fork	WVBST-24-K-4	Selenium	Unknown	3.0	Entire length	2022	Yes
Left Fork/Right Fork/Trace Fork	WVBST-24-K-4-A	Selenium	Unknown	1.9	Entire length	2022	Yes
Left Fork/Elk Creek	WVBST-24-N-4	CNA-Biological	Unknown	2.6	Entire length	2022	Yes
Middle Fork/Elk Creek	WVBST-24-N-5	Selenium	Unknown	3.8	Entire length	2022	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
UNT/Pigeon Creek RM 20.01	WVBST-24-S.3	Aluminum (d)	Unknown	0.7	Entire length	2022	No
UNT/Pigeon Creek RM 20.01	WVBST-24-S.3	Iron	Unknown	0.7	Entire length	2022	No
UNT/Pigeon Creek RM 20.01	WVBST-24-S.3	pH	Unknown	0.7	Entire length	2022	No
UNT/Oldfield Branch RM 0.46	WVBST-24-T-1	Selenium	Unknown	0.6	Entire length	2022	Yes
Slick Rock Branch	WVBST-24-AA	Selenium	Unknown	1.4	Entire length	2022	Yes
Grant Branch	WVBST-24-DD	Iron	Unknown	0.6	Mouth to RM 0.6	2022	No
Road Branch	WVBST-26	Iron	Unknown	2.4	Entire length	2022	No
Mill Fork	WVBST-27-C	Selenium	Unknown	1.9	Entire length	2022	No
Peg Fork	WVBST-27-D	Selenium	Unknown	1.4	Mouth to RM 1.4	2022	No
Dans Branch	WVBST-29	Iron	Unknown	2.0	Entire length	2022	No
Ferrell Branch	WVBST-39	CNA-Biological	Unknown	1.7	Entire length	2022	Yes
UNT/Ferrell Branch RM 0.83	WVBST-39-B	Aluminum (d)	Unknown	0.5	Entire length	2022	No
UNT/Ferrell Branch RM 0.83	WVBST-39-B	pH	Unknown	0.5	Entire length	2022	No
Mate Creek	WVBST-40	CNA-Biological	Unknown	9.9	Entire length	2022	No
Sulphur Creek	WVBST-41	CNA-Biological	Unknown	1.7	Entire length	2022	Yes
Thacker Creek	WVBST-42	Aluminum (d)	Unknown	3.0	Entire length	2022	No
Wolfpen Fork	WVBST-43-B	CNA-Biological	Unknown	1.6	Entire length	2022	Yes
Millseat Branch	WVBST-43-B.5	CNA-Biological	Unknown	1.9	Entire length	2022	Yes
Millseat Branch	WVBST-43-B.5	Iron	Unknown	1.9	Entire length	2022	No
Grapevine Fork	WVBST-46-B	CNA-Biological	Unknown	0.2	Mouth to RM 0.2	2022	Yes
UNT/Grapevine Fork RM 0.22	WVBST-46-B-1	CNA-Biological	Unknown	1.1	Entire length	2022	Yes
UNT/Grapevine Fork RM 0.22	WVBST-46-B-1	Iron	Unknown	1.1	Entire length	2022	No
Ben Creek	WVBST-52	CNA-Biological	Unknown	8.2	Entire length	2022	Yes
Ben Creek	WVBST-52	Selenium	Unknown	8.2	Entire length	2022	Yes
Left Fork/Ben Creek	WVBST-52-B	Selenium	Unknown	7.1	Entire length	2022	No
UNT/Left Fork RM 6.36/Ben Creek	WVBST-52-B-7	Selenium	Unknown	0.6	Entire length	2022	No
White Oak Hollow	WVBST-52-G.5	CNA-Biological	Unknown	0.8	Entire length	2022	Yes
Beech Fork	WVBST-52-K	Selenium	Unknown	1.7	Entire length	2022	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Bull Creek	WVBST-57	Fecal Coliform	Unknown	4.9	Entire length	2022	Yes
Bull Creek	WVBST-57	Selenium	Unknown	4.9	Entire length	2022	No
Left Fork/Bull Creek	WVBST-57-B	Fecal Coliform	Unknown	2.0	Entire length	2022	Yes
UNT/Bull Creek RM 4.71	WVBST-57-G	Selenium	Unknown	0.9	Entire length	2022	No
Mohawk Branch	WVBST-58	CNA-Biological	Unknown	1.1	Entire length	2022	Yes
Greenbrier Fork	WVBST-60-A	CNA-Biological	Unknown	3.5	Entire length	2022	Yes
Horse Creek	WVBST-63	CNA-Biological	Unknown	4.6	Entire length	2022	Yes
Dry Fork	WVBST-70	CNA-Biological	Unknown	34.5	Entire length	2022	Yes
Dry Fork	WVBST-70	Fecal Coliform	Unknown	34.5	Entire length	2022	Yes
Dry Fork	WVBST-70	Iron (trout)	Unknown	0.6	RM 27.5 to RM 28.1	2022	No
Mile Branch	WVBST-70-C	Iron	Unknown	0.7	RM 0.7 to RM 1.4	2022	No
Crane Creek	WVBST-70-D	Iron	Unknown	0.7	Mouth to RM 0.7	2022	No
Betsy Branch	WVBST-70-E	Iron	Unknown	1.9	RM 0.6 to HW	2022	No
Grapevine Branch	WVBST-70-F	CNA-Biological	Unknown	1.8	Entire length	2022	Yes
Bradshaw Creek	WVBST-70-M	Fecal Coliform	Unknown	5.5	Entire length	2022	Yes
Wolfpen Branch	WVBST-70-M-3	CNA-Biological	Unknown	1.6	Entire length	2022	Yes
Little Slate Creek	WVBST-70-N	CNA-Biological	Unknown	4.5	Mouth to RM 4.5	2022	Yes
Little Slate Creek	WVBST-70-N	Fecal Coliform	Unknown	6.8	Entire length	2022	Yes
Johnnycake Hollow	WVBST-70-P	Aluminum (d)	Unknown	1.8	Entire length	2022	No
Johnnycake Hollow	WVBST-70-P	pH	Unknown	1.8	Entire length	2022	No
Pruett Branch	WVBST-70-S	CNA-Biological	Unknown	1.4	Entire length	2022	Yes
Jacobs Fork	WVBST-70-W	Fecal Coliform	Unknown	10.6	Entire length	2022	Yes
UNT/Big Creek RM 1.98	WVBST-70-W-1-0.7A	CNA-Biological	Unknown	1.1	Entire length	2022	No
Mountain Fork	WVBST-70-W-1-A	CNA-Biological	Unknown	4.2	Entire length	2022	Yes
North Fork/Big Creek	WVBST-70-W-1-F	Selenium	Unknown	2.7	Entire length	2022	Yes
UNT/North Fork RM 1.52/Big Creek	WVBST-70-W-1-F-2	Selenium	Unknown	1.1	Entire length	2022	No
Middle Fork/Big Creek	WVBST-70-W-1-G	CNA-Biological	Unknown	1.6	Entire length	2022	Yes
Middle Fork/Big Creek	WVBST-70-W-1-G	Selenium	Unknown	1.6	Entire length	2022	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Road Fork	WVBST-70-W-1-G-1	Selenium	Unknown	1.4	Entire length	2022	No
Horsepen Creek	WVBST-70-W-6	Selenium	Unknown	2.2	RM 1.5 to HW	2022	No
UNT/Horsepen Creek RM 1.48	WVBST-70-W-6-0.5A	Iron	Unknown	0.6	Entire length	2022	No
Big Branch	WVBST-70-X	Iron	Unknown	1.3	Entire length	2022	No
Beech Fork	WVBST-70-AA	CNA-Biological	Unknown	1.0	Entire length	2022	Yes
Clear Fork	WVBST-76	Fecal Coliform	Unknown	10.5	Entire length	2022	Yes
Spice Creek	WVBST-78	CNA-Biological	Unknown	5.7	Entire length	2022	Yes
Badway Branch	WVBST-78-G	CNA-Biological	Unknown	1.3	Entire length	2022	Yes
Davy Branch	WVBST-85	CNA-Biological	Unknown	4.1	Entire length	2022	Yes
Davy Branch	WVBST-85	Fecal Coliform	Unknown	4.1	Entire length	2022	Yes
UNT/Davy Branch RM 3.28	WVBST-85-G	Iron	Unknown	0.6	RM 0.3 to HW	2022	No
Upper Shannon Branch	WVBST-95	CNA-Biological	Unknown	2.4	Entire length	2022	Yes
Browns Creek	WVBST-98	CNA-Biological	Unknown	5.1	Entire length	2022	Yes
Browns Creek	WVBST-98	Fecal Coliform	Unknown	5.1	Entire length	2022	Yes
Puncheoncamp Branch	WVBST-98-A	CNA-Biological	Unknown	3.0	Entire length	2022	Yes
Trail Fork	WVBST-98-B	Fecal Coliform	Unknown	2.4	Entire length	2022	Yes
Elkhorn Creek	WVBST-99	CNA-Biological	Unknown	19.5	Mouth to RM 19.5	2022	Yes
Elkhorn Creek	WVBST-99	Iron (trout)	Unknown	22.7	Entire length	2022	Yes
Laurel Branch	WVBST-99-E	Iron	Unknown	3.2	RM 1.0 to RM 4.2	2022	No
Rockhouse Branch	WVBST-99-F	Iron	Unknown	1.8	Entire length	2022	No
Coalbank Branch	WVBST-99-I	Iron	Unknown	1.0	RM 0.4 to RM 1.4	2022	No
Coalbank Branch	WVBST-99-I	Selenium	Unknown	1.9	Entire length	2022	No
UNT/Coalbank Branch RM 1.43	WVBST-99-I-2	Selenium	Unknown	0.5	Entire length	2022	No
Clark Branch	WVBST-99-J	Selenium	Unknown	1.8	Entire length	2022	Yes
Burk Creek	WVBST-99-K	Selenium	Unknown	2.0	Entire length	2022	No
North Fork/Elkhorn Creek	WVBST-99-L	Fecal Coliform	Unknown	8.0	Entire length	2022	Yes
Bearwallow Branch	WVBST-99-L-2	Selenium	Unknown	2.8	Entire length	2022	Yes
UNT/Elkhorn Creek RM 20.15	WVBST-99-O.7	Selenium	Unknown	0.8	Entire length	2022	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Rock Narrows Branch	WVBST-103	CNA-Biological	Unknown	1.7	Entire length	2022	Yes
Sandlick Creek	WVBST-109	Selenium	Unknown	5.3	Entire length	2022	Yes
Right Fork/Sandlick Creek	WVBST-109-A	CNA-Biological	Unknown	3.0	Entire length	2022	No
UNT/Left Fork RM 0.89/Sandlick Creek	WVBST-109-B-3	Iron	Unknown	1.2	Entire length	2022	No
UNT/Left Fork RM 0.89/Sandlick Creek	WVBST-109-B-3	Selenium	Unknown	0.5	Mouth to RM 0.5	2022	Yes
UNT/UNT RM 0.01/Left Fork RM 0.89/Sandlick Creek	WVBST-109-B-3-A	Aluminum (d)	Unknown	0.5	Entire length	2022	No
UNT/UNT RM 0.01/Left Fork RM 0.89/Sandlick Creek	WVBST-109-B-3-A	Iron	Unknown	0.5	Entire length	2022	No
UNT/UNT RM 0.01/Left Fork RM 0.89/Sandlick Creek	WVBST-109-B-3-A	pH	Unknown	0.5	Entire length	2022	No
UNT/Sandlick Creek RM 3.00	WVBST-109-D	Selenium	Unknown	1.2	Entire length	2022	No
Harmon Branch	WVBST-113	Selenium	Unknown	3.1	Entire length	2022	No
Leslie Branch	WVBST-114	Iron	Unknown	1.5	Mouth to RM 1.5	2022	No
Leslie Branch	WVBST-114	Selenium	Unknown	2.4	Entire length	2022	No
UNT/Tug Fork RM 145.75	WVBST-114.2	Selenium	Unknown	0.9	Entire length	2022	Yes
UNT/Tug Fork RM 146.21	WVBST-114.4	Selenium	Unknown	1.5	Entire length	2022	No
South Fork/Tug Fork	WVBST-115	Selenium	Unknown	5.8	Entire length	2022	No
Tea Branch	WVBST-115-A	Selenium	Unknown	1.1	Entire length	2022	No
McClure Branch	WVBST-115-B	Selenium	Unknown	1.3	Entire length	2022	No
Milam Branch	WVBST-115-C	Selenium	Unknown	1.3	Entire length	2022	No
Jump Branch	WVBST-115-D	Selenium	Unknown	1.7	Entire length	2022	No
Spice Creek	WVBST-115-E	Selenium	Unknown	0.6	RM 3.3 to HW	2022	No

## 2016 Section 303(d) List

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
UNT/South Fork RM 5.46/Tug Fork	WVBST-115-I	Selenium	Unknown	1.1	Entire length	2022	No
UNT/UNT RM 0.15/South Fork RM 5.85/Tug Fork	WVBST-115-J-1	Iron	Unknown	1.0	Entire length	2022	No
UNT/Tug Fork RM 148.42	WVBST-115.2	Selenium	Unknown	1.3	Entire length	2022	No
UNT/Tug Fork RM 148.86	WVBST-115.6	Iron	Unknown	0.7	Entire length	2022	No
UNT/Tug Fork RM 148.86	WVBST-115.6	Selenium	Unknown	0.7	Entire length	2022	No
UNT/Tug Fork RM 151.49	WVBST-118.3	Selenium	Unknown	0.5	Entire length	2022	No
UNT/Tug Fork RM 152.09	WVBST-118.7	Selenium	Unknown	0.9	Entire length	2022	No
Little Creek	WVBST-120	Fecal Coliform	Unknown	4.2	Entire length	2022	Yes
Puncheoncamp Branch	WVBST-120-B	Selenium	Unknown	2.1	Entire length	2022	No
UNT/Tug Fork RM 154.02	WVBST-120.3	Selenium	Unknown	0.5	Entire length	2022	No
Ballard Harmon Branch	WVBST-122	Selenium	Unknown	1.4	RM 0.6 to HW	2022	Yes
UNT/Ballard Harmon Branch RM 1.49	WVBST-122-A	Selenium	Unknown	0.5	Entire length	2022	Yes
UNT/Tug Fork RM 157.07	WVBST-124	Selenium	Unknown	0.4	Entire length	2022	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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## HYDROLOGIC GROUP D

### GREENBRIER WATERSHED - HUC# 05050003

*5 streams 54 miles*

Greenbrier River	WVKNG	CNA-Algae	Unknown	37.9	RM 12.1 to RM 50 (mouth of Howard)	2027	Yes
UNT/Muddy Creek RM 3.14	WVKNG-22-0.5A	Iron	Unknown	1.7	Entire length	2027	No
UNT/Stony Run RM 1.12	WVKNG-22-E-1-B-1-B	CNA-Biological	Unknown	1.5	Entire length	2027	Yes
Howard Creek	WVKNG-25	CNA-Biological	Unknown	11.3	RM 0.3 to RM 11.6	2027	No
UNT/Jericho Draft RM 1.99	WVKNG-25-E-1.6	CNA-Biological	Unknown	1.8	Entire length	2027	No

### LITTLE KANAWHA WATERSHED - HUC# 05030203

*1 Lake 968 acres 135 streams 943 miles*

Little Kanawha River	WVLK	CNA-Biological	Unknown	45.2	RM 126.8 (Burnsville Dam) to HW	2027	No
Little Kanawha River	WVLK	Fecal Coliform	Unknown	126.8	Mouth to RM 126.8 (Burnsville Dam)	2027	Yes
Burnsville Lake	WVLK-(L1)	Methylmercury	Unknown	968.0	Entire lake	2027	Yes
Berry Run	WVLK-2-A	Fecal Coliform	Unknown	2.7	Entire length	2027	Yes
Gillespie Run	WVLK-2-D	Fecal Coliform	Unknown	3.6	Entire length	2027	Yes
Mill Run	WVLK-4	Fecal Coliform	Unknown	2.3	Entire length	2027	Yes
Walker Creek	WVLK-10	CNA-Biological	Unknown	15.6	Entire length	2027	Yes
Hughes River	WVLKH	Fecal Coliform	Unknown	13.8	Entire length	2018	Yes
Hughes River	WVLKH	Iron	Unknown	13.8	Entire length	2018	Yes
Silver Run	WVLKH-1	Fecal Coliform	Unknown	1.6	Entire length	2018	No
Silver Run	WVLKH-1	Iron	Unknown	1.6	Entire length	2018	No
Lyda Run	WVLKH-2	CNA-Biological	Unknown	1.7	Entire length	2018	No
Lyda Run	WVLKH-2	Fecal Coliform	Unknown	1.7	Entire length	2018	No
Gooseneck Run	WVLKH-3	CNA-Biological	Unknown	1.8	Entire length	2018	No

## 2016 Section 303(d) List

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Goose Creek	WVLKH-4	CNA-Biological	Unknown	19.4	RM 1.5 to RM 8.6 and RM 14.0 to HW	2018	Yes
Goose Creek	WVLKH-4	Fecal Coliform	Unknown	1.5	Mouth to RM 1.5	2018	No
Lick Run	WVLKH-4-A	Fecal Coliform	Unknown	2.7	Entire length	2018	No
Second Big Run	WVLKH-4-B	Fecal Coliform	Unknown	2.5	Entire length	2018	No
Oil Spring Run	WVLKH-4-G	Fecal Coliform	Unknown	2.2	Entire length	2018	No
Oil Spring Run	WVLKH-4-G	Iron	Unknown	2.2	Entire length	2018	No
Myers Fork	WVLKH-4-H	Fecal Coliform	Unknown	4.4	Entire length	2018	No
Long Run	WVLKH-4-I	Fecal Coliform	Unknown	2.7	Entire length	2018	No
Short Run	WVLKH-4-J	Fecal Coliform	Unknown	1.8	Entire length	2018	No
Nutter Fork	WVLKH-4-L	CNA-Biological	Unknown	4.1	Entire length	2018	No
Nutter Fork	WVLKH-4-L	Fecal Coliform	Unknown	4.1	Entire length	2018	No
Brushy Fork	WVLKH-4-N	CNA-Biological	Unknown	3.4	Entire length	2018	No
Brushy Fork	WVLKH-4-N	Fecal Coliform	Unknown	3.4	Entire length	2018	No
Layfields Run	WVLKH-4-O	CNA-Biological	Unknown	2.5	Entire length	2018	No
Layfields Run	WVLKH-4-O	Fecal Coliform	Unknown	2.5	Entire length	2018	No
Douglas Run	WVLKH-4-Q	Fecal Coliform	Unknown	2.2	Entire length	2018	No
Rock Run	WVLKH-5	Fecal Coliform	Unknown	0.9	Entire length	2018	No
Rock Run	WVLKH-5	Iron	Unknown	0.9	Entire length	2018	No
Flint Run	WVLKH-8	CNA-Biological	Unknown	3.9	Entire length	2018	No
Flint Run	WVLKH-8	Fecal Coliform	Unknown	3.9	Entire length	2018	No
South Fork/Hughes River	WVLKH-9	CNA-Biological	Unknown	9.5	RM 26.0 to RM 35.5	2018	Yes
South Fork/Hughes River	WVLKH-9	Fecal Coliform	Unknown	57.0	Entire length	2018	No
South Fork/Hughes River	WVLKH-9	Iron	Unknown	57.0	Entire length	2018	No
Locust Run	WVLKH-9-A	Fecal Coliform	Unknown	1.7	Entire length	2018	No
Big Island Run	WVLKH-9-C	Fecal Coliform	Unknown	3.4	Entire length	2018	No
Laurel Run	WVLKH-9-F	Fecal Coliform	Unknown	3.4	Entire length	2018	No

## 2016 Section 303(d) List

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Macfarlan Creek	WVLKH-9-G	Fecal Coliform	Unknown	5.8	Entire length	2018	No
Macfarlan Creek	WVLKH-9-G	Iron	Unknown	5.8	Entire length	2018	No
Dutchman Run	WVLKH-9-H	CNA-Biological	Unknown	4.2	Entire length	2018	No
Dutchman Run	WVLKH-9-H	Fecal Coliform	Unknown	4.2	Entire length	2018	No
Indian Creek	WVLKH-9-J	Fecal Coliform	Unknown	19.2	Entire length	2018	No
Indian Creek	WVLKH-9-J	Iron	Unknown	19.2	Entire length	2018	No
Chevaux de Frise Run	WVLKH-9-J-12	Fecal Coliform	Unknown	3.6	Entire length	2018	No
Lick Run	WVLKH-9-J.5	Fecal Coliform	Unknown	1.9	Entire length	2018	No
Lick Run	WVLKH-9-J.5	Iron	Unknown	1.9	Entire length	2018	No
Leatherbark Creek	WVLKH-9-M	Fecal Coliform	Unknown	8.9	Entire length	2018	No
Leatherbark Creek	WVLKH-9-M	Iron	Unknown	8.9	Entire length	2018	No
Owl Run	WVLKH-9-O	Fecal Coliform	Unknown	1.5	Entire length	2018	No
Lamb Run	WVLKH-9-P	Fecal Coliform	Unknown	3.2	Entire length	2018	No
Lamb Run	WVLKH-9-P	Iron	Unknown	3.2	Entire length	2018	No
Grass Run	WVLKH-9-Q	Fecal Coliform	Unknown	7.1	Entire length	2018	No
Spruce Creek	WVLKH-9-R	CNA-Biological	Unknown	9.8	Entire length	2018	No
Spruce Creek	WVLKH-9-R	Fecal Coliform	Unknown	9.8	Entire length	2018	No
Spruce Creek	WVLKH-9-R	Iron	Unknown	9.8	Entire length	2018	No
Right Fork/Spruce Creek	WVLKH-9-R-8	Fecal Coliform	Unknown	1.9	Entire length	2018	No
Left Fork/Spruce Creek	WVLKH-9-R-9	CNA-Biological	Unknown	3.8	Entire length	2018	No
Left Fork/Spruce Creek	WVLKH-9-R-9	Fecal Coliform	Unknown	3.8	Entire length	2018	No
Long Run	WVLKH-9-S	CNA-Biological	Unknown	3.1	Entire length	2018	No
Long Run	WVLKH-9-S	Fecal Coliform	Unknown	3.1	Entire length	2018	No
Jesse Cain Run	WVLKH-9-T	Fecal Coliform	Unknown	1.9	Entire length	2018	No
Smith Run	WVLKH-9-V	Fecal Coliform	Unknown	1.3	Entire length	2018	No
Slab Creek	WVLKH-9-W	Fecal Coliform	Unknown	5.0	Entire length	2018	No
Wolfpen Run	WVLKH-9-W-1	Fecal Coliform	Unknown	2.1	Entire length	2018	No
Left Fork/Slab Creek	WVLKH-9-W-4	Fecal Coliform	Unknown	3.5	Entire length	2018	No

## 2016 Section 303(d) List

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Right Fork/Slab Creek	WVLKH-9-W-5	Fecal Coliform	Unknown	2.3	Entire length	2018	No
Bone Creek	WVLKH-9-X	CNA-Biological	Unknown	7.1	RM 0.7 to HW	2018	Yes
Bone Creek	WVLKH-9-X	Fecal Coliform	Unknown	7.8	Entire length	2018	No
Bone Creek	WVLKH-9-X	Iron	Unknown	7.8	Entire length	2018	No
Big Run	WVLKH-9-X-4	Fecal Coliform	Unknown	1.6	Entire length	2018	No
Right Fork/Bone Creek	WVLKH-9-X-5	Fecal Coliform	Unknown	2.2	Entire length	2018	No
Right Fork/Bone Creek	WVLKH-9-X-5	Iron	Unknown	2.2	Entire length	2018	No
Left Fork/Bone Creek	WVLKH-9-X-6	Fecal Coliform	Unknown	2.5	Entire length	2018	No
Left Fork/Bone Creek	WVLKH-9-X-6	Iron	Unknown	2.5	Entire length	2018	No
Otterslide Creek	WVLKH-9-Y	Fecal Coliform	Unknown	4.9	Entire length	2018	No
Turtle Run	WVLKH-9-Z	Fecal Coliform	Unknown	2.1	Entire length	2018	No
Middle Fork/South Fork/Hughes River	WVLKH-9-AA	Fecal Coliform	Unknown	11.0	Entire length	2018	No
Middle Fork/South Fork/Hughes River	WVLKH-9-AA	Iron	Unknown	11.0	Entire length	2018	No
Bear Run	WVLKH-9-AA-2	Fecal Coliform	Unknown	2.5	Entire length	2018	No
Straight Fork	WVLKH-9-AA-4	Fecal Coliform	Unknown	2.5	Entire length	2018	No
Upper Run	WVLKH-9-AA-6	CNA-Biological	Unknown	2.5	Entire length	2018	No
Upper Run	WVLKH-9-AA-6	Fecal Coliform	Unknown	2.5	Entire length	2018	No
White Oak Creek	WVLKH-9-BB	Fecal Coliform	Unknown	1.9	Entire length	2018	No
White Oak Creek	WVLKH-9-BB	Iron	Unknown	1.9	Entire length	2018	No
Poverty Hollow	WVLKH-9-CC	Fecal Coliform	Unknown	2.2	Entire length	2018	No
Clevenger Hollow	WVLKH-9-DD.5	Fecal Coliform	Unknown	1.6	Entire length	2018	No
Holt Run	WVLKH-9-GG.5	Fecal Coliform	Unknown	1.2	Entire length	2018	No
Holt Run	WVLKH-9-GG.5	Iron	Unknown	1.2	Entire length	2018	No
Big Run	WVLKH-9-HH	Iron	Unknown	1.8	Entire length	2018	No
Painter Run	WVLKH-9-MM	Fecal Coliform	Unknown	1.1	Entire length	2018	No

## 2016 Section 303(d) List

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Cain Run	WVLKH-9-OO	Fecal Coliform	Unknown	1.6	Entire length	2018	No
Cain Run	WVLKH-9-OO	Iron	Unknown	1.6	Entire length	2018	No
UNT/South Fork RM 55.73/Hughes River	WVLKH-9-PP	Fecal Coliform	Unknown	0.9	Entire length	2018	No
UNT/South Fork RM 55.73/Hughes River	WVLKH-9-PP	Iron	Unknown	0.9	Entire length	2018	No
North Fork/Hughes River	WVLKH-10	CNA-Biological	Unknown	20.1	RM 35.1 to HW	2018	No
North Fork/Hughes River	WVLKH-10	Fecal Coliform	Unknown	30.0	Mouth to RM 6.9 and RM 32.1 to HW	2018	No
North Fork/Hughes River	WVLKH-10	Iron	Unknown	38.1	RM 17.1 to HW	2018	No
Buffalo Run	WVLKH-10-A	CNA-Biological	Unknown	3.0	Entire length	2018	No
Buffalo Run	WVLKH-10-A	Fecal Coliform	Unknown	3.0	Entire length	2018	No
Gillespie Run	WVLKH-10-C	Fecal Coliform	Unknown	5.2	Entire length	2018	No
Cabin Run	WVLKH-10-E	Fecal Coliform	Unknown	2.3	Entire length	2018	No
UNT/North Fork RM 7.87/Hughes River	WVLKH-10-F.3	Fecal Coliform	Unknown	1.5	Entire length	2018	No
Sheep Run	WVLKH-10-H	Fecal Coliform	Unknown	2.5	Entire length	2018	No
Slaughterhouse Run	WVLKH-10-I.5	Fecal Coliform	Unknown	1.1	Entire length	2018	No
Addis Run	WVLKH-10-J	Fecal Coliform	Unknown	4.5	Entire length	2018	No
Rush Run	WVLKH-10-K	CNA-Biological	Unknown	1.9	Entire length	2018	No
Rush Run	WVLKH-10-K	Fecal Coliform	Unknown	1.9	Entire length	2018	No
Silver Run	WVLKH-10-L	Fecal Coliform	Unknown	2.4	Entire length	2018	No
Wildcat Run	WVLKH-10-M	Fecal Coliform	Unknown	2.5	Entire length	2018	No
Big Run	WVLKH-10-N	CNA-Biological	Unknown	3.0	Entire length	2018	No
Big Run	WVLKH-10-N	Fecal Coliform	Unknown	3.0	Entire length	2018	No
Bonds Creek	WVLKH-10-R	Fecal Coliform	Unknown	16.4	Entire length	2018	No
Bonds Creek	WVLKH-10-R	Iron	Unknown	7.8	RM 8.6 to HW	2018	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Hushers Run	WVLKH-10-R-1	CNA-Biological	Unknown	7.5	Mouth to RM 7.5	2018	No
Hushers Run	WVLKH-10-R-1	Fecal Coliform	Unknown	9.2	Entire length	2018	No
Hushers Run	WVLKH-10-R-1	Iron	Unknown	9.2	Entire length	2018	No
Comfort Run	WVLKH-10-R-4	Fecal Coliform	Unknown	3.1	Entire length	2018	No
Beech Run	WVLKH-10-R-4-A	CNA-Biological	Unknown	1.3	Entire length	2018	Yes
Beech Run	WVLKH-10-R-4-A	Fecal Coliform	Unknown	1.3	Entire length	2018	No
Whiskey Run	WVLKH-10-R-5	CNA-Biological	Unknown	3.4	Entire length	2018	No
Whiskey Run	WVLKH-10-R-5	Fecal Coliform	Unknown	3.4	Entire length	2018	No
UNT/Bonds Creek RM 11.47	WVLKH-10-R-5.7	Fecal Coliform	Unknown	1.8	Entire length	2018	No
McGregor Run	WVLKH-10-R-6	Fecal Coliform	Unknown	1.2	Entire length	2018	No
Big Knot Run	WVLKH-10-R-7	CNA-Biological	Unknown	1.4	Entire length	2018	No
Big Knot Run	WVLKH-10-R-7	Fecal Coliform	Unknown	1.4	Entire length	2018	No
Blacks Run	WVLKH-10-R-8	Fecal Coliform	Unknown	1.5	Entire length	2018	No
Charleys Run	WVLKH-10-R-9	Iron	Unknown	1.4	Entire length	2018	No
Back Run	WVLKH-10-T-1	CNA-Biological	Unknown	3.0	Entire length	2018	No
Back Run	WVLKH-10-T-1	Fecal Coliform	Unknown	3.0	Entire length	2018	No
Stewart Run	WVLKH-10-V	Fecal Coliform	Unknown	3.8	Entire length	2018	No
Cunningham Run	WVLKH-10-W	CNA-Biological	Unknown	2.2	Entire length	2018	No
Cunningham Run	WVLKH-10-W	Fecal Coliform	Unknown	2.2	Entire length	2018	No
Rockcamp Run	WVLKH-10-X	CNA-Biological	Unknown	2.1	Entire length	2018	No
Bunnell Run	WVLKH-10-Y	CNA-Biological	Unknown	3.2	Entire length	2018	No
Bunnell Run	WVLKH-10-Y	Fecal Coliform	Unknown	3.2	Entire length	2018	No
Beason Run	WVLKH-10-AA	Fecal Coliform	Unknown	3.1	Entire length	2018	No
Spring Run	WVLKH-10-BB	CNA-Biological	Unknown	2.7	Entire length	2018	No
Spring Run	WVLKH-10-BB	Fecal Coliform	Unknown	2.7	Entire length	2018	No
Bear Run	WVLKH-10-CC	Fecal Coliform	Unknown	1.0	Entire length	2018	No
Lynncamp Run	WVLKH-10-DD	CNA-Biological	Unknown	4.1	Entire length	2018	No
Lynncamp Run	WVLKH-10-DD	Fecal Coliform	Unknown	4.1	Entire length	2018	No

## 2016 Section 303(d) List

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Cabin Run	WVLKH-10-EE	CNA-Biological	Unknown	5.8	Entire length	2018	No
Cabin Run	WVLKH-10-EE	Fecal Coliform	Unknown	5.8	Entire length	2018	No
Cabin Run	WVLKH-10-EE	Iron	Unknown	2.6	Mouth to RM 2.6	2018	No
Leason Run	WVLKH-10-EE-1	CNA-Biological	Unknown	2.1	Entire length	2018	No
Leason Run	WVLKH-10-EE-1	Fecal Coliform	Unknown	2.1	Entire length	2018	No
Dotson Run	WVLKH-10-FF	CNA-Biological	Unknown	3.4	Entire length	2018	No
Dotson Run	WVLKH-10-FF	Fecal Coliform	Unknown	3.4	Entire length	2018	No
Dotson Run	WVLKH-10-FF	Iron	Unknown	3.4	Entire length	2018	No
UNT/Dotson Run RM 2.17	WVLKH-10-FF-9	Fecal Coliform	Unknown	1.0	Entire length	2018	No
Buck Run	WVLKH-10-GG	Fecal Coliform	Unknown	1.0	Entire length	2018	No
Gnat Run	WVLKH-10-HH	CNA-Biological	Unknown	1.0	Entire length	2018	No
Poplarlick Run	WVLKH-10-II	CNA-Biological	Unknown	0.9	Mouth to RM 0.9	2018	No
Poplarlick Run	WVLKH-10-II	Fecal Coliform	Unknown	2.2	Entire length	2018	No
Haddox Run	WVLKH-10-JJ	CNA-Biological	Unknown	1.0	Entire length	2018	No
Burton Run	WVLKH-10-KK	CNA-Biological	Unknown	1.0	Entire length	2018	No
Burton Run	WVLKH-10-KK	Fecal Coliform	Unknown	1.0	Entire length	2018	No
Marsh Run	WVLKH-10-LL	CNA-Biological	Unknown	1.0	Entire length	2018	No
Marsh Run	WVLKH-10-LL	Fecal Coliform	Unknown	1.0	Entire length	2018	No
Lizzies Roost Run	WVLKH-10-MM	Fecal Coliform	Unknown	1.0	Entire length	2018	No
Reedy Creek	WVLK-25	CNA-Biological	Unknown	22.6	Entire length	2027	No
Johnson Run	WVLK-25-R-2	CNA-Biological	Unknown	1.5	Entire length	2027	No
Left Fork/Reedy Creek	WVLK-25-S	CNA-Biological	Unknown	15.9	Entire length	2027	No
Tanner Run	WVLK-31-X	Fecal Coliform	Unknown	4.4	Entire length	2027	Yes
Charles Fork	WVLK-31-Z-1	CNA-Biological	Unknown	4.3	Entire length	2027	No
West Fork/Little Kanawha River	WVLKW	CNA-Biological	Unknown	48.1	Entire length	2027	No
Laurel Run	WVLKW-15-F	CNA-Biological	Unknown	5.2	Entire length	2027	Yes
Sang Run	WVLKW-15-I-9	CNA-Biological	Unknown	1.6	Entire length	2027	Yes

## WEST VIRGINIA

## 2016 Section 303(d) List

## WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Left Fork/West Fork/Little Kanawha River	WVLKW-31	CNA-Biological	Unknown	14.3	Entire length	2027	No
Leading Creek	WVLK-40	CNA-Biological	Unknown	5.6	Mouth to RM 5.6	2027	Yes
Annamoriah Run	WVLK-42	CNA-Biological	Unknown	4.1	Entire length	2027	No
Rush Run	WVLKS-4	CNA-Biological	Unknown	3.0	Entire length	2027	Yes
Right Fork/Steer Creek	WVLKS-9	CNA-Biological	Unknown	25.4	Entire length	2027	Yes
Tanner Fork	WVLKS-9-D	CNA-Biological	Unknown	4.0	Entire length	2027	Yes
Left Fork/Steer Creek	WVLKS-10	CNA-Biological	Unknown	24.5	Entire length	2027	Yes
White Oak Run	WVLKS-10-D	CNA-Biological	Unknown	1.9	Entire length	2027	Yes
Steer Run	WVLKS-10-E	CNA-Biological	Unknown	5.1	Entire length	2027	Yes
Bender Run	WVLKS-10-P	CNA-Biological	Unknown	2.5	Entire length	2027	Yes
Tanner Creek	WVLK-66	CNA-Biological	Unknown	15.3	Entire length	2027	Yes
Job Run	WVLK-68	CNA-Biological	Unknown	1.7	Entire length	2027	No
Left Fork/Reedy Creek	WVLK-72	CNA-Biological	Unknown	31.7	Entire length	2027	No
Butchers Run	WVLK-72-M	CNA-Biological	Unknown	2.5	Entire length	2027	Yes
Sand Fork	WVLK-75-N-5	CNA-Biological	Unknown	5.1	Entire length	2027	Yes
Sand Fork	WVLK-86	CNA-Biological	Unknown	18.6	Entire length	2027	No
Indian Fork	WVLK-86-E	CNA-Biological	Unknown	9.9	Entire length	2027	No
Goosepen Run	WVLK-86-E-8	CNA-Biological	Unknown	2.5	Entire length	2027	No
Copen Run	WVLK-90	CNA-Biological	Unknown	3.7	Mouth to RM 3.7	2027	Yes
Right Fork/Little Kanawha River	WVLK-115	pH	Unknown	13.7	RM 0.4 to HW	2027	Yes
UNT/Little Kanawha River RM 165.34	WVLK-130.5	pH	Unknown	2.6	Entire length	2027	Yes
Getout Run	WVLK-131	pH	Unknown	2.5	Entire length	2027	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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**LOWER NEW WATERSHED - HUC# 05050004***18 streams 61 miles*

Cane Branch	WVKN-2	CNA-Biological	Unknown	2.7	Entire length	2027	No
Wilson Branch	WVKN-5-A-1	CNA-Biological	Unknown	2.0	Entire length	2027	Yes
Dempsey Branch	WVKN-5-E	CNA-Biological	Unknown	2.6	Entire length	2027	Yes
Wolf Creek	WVKN-10	pH	Unknown	1.9	RM 8.1 to HW	2027	No
Fern Creek	WVKN-11	Fecal Coliform	Unknown	6.2	Entire length	2027	Yes
Fern Creek	WVKN-11	pH	Unknown	6.2	Entire length	2022	Yes
UNT/New River RM 21.78	WVKN-18.6	pH	Unknown	1.6	Entire length	2027	No
UNT/Fire Creek RM 1.21	WVKN-19-A	pH	Unknown	1.0	Entire length	2027	No
Dunloup Creek	WVKN-22	CNA-Biological	Unknown	15.8	Entire length	2027	No
Hamilton Branch	WVKN-22-D-1	CNA-Biological	Unknown	2.9	Entire length	2022	Yes
UNT/New River RM 28.35	WVKN-22.6	Iron	Unknown	0.6	RM 1.7 to HW	2027	No
UNT/New River RM 28.35	WVKN-22.6	pH	Unknown	2.3	Entire length	2027	No
Soak Creek	WVKN-26-K	CNA-Biological	Unknown	5.5	Entire length	2027	Yes
UNT/Soak Creek RM 1.98	WVKN-26-K-3	CNA-Biological	Unknown	0.9	Entire length	2027	Yes
Bowyer Creek	WVKN-26-M	CNA-Biological	Unknown	4.4	Entire length	2022	Yes
UNT/Keaton Branch RM 0.82	WVKN-26-P-2	Iron	Unknown	0.7	Entire length	2027	No
Squealing Fork	WVKN-29-E-7	CNA-Biological	Unknown	3.5	Entire length	2027	Yes
UNT/Sal Willis Branch RM 0.73	WVKN-29-F.5-1	CNA-Biological	Unknown	1.2	Entire length	2027	Yes
Owens Branch	WVKN-40	Fecal Coliform	Unknown	2.4	Entire length	2027	Yes
Tug Creek	WVKN-43	Fecal Coliform	Unknown	3.2	Entire length	2027	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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**MONONGAHELA WATERSHED - HUC# 05020003***1 Lake 1 acre 43 streams 214 miles*

Monongahela River (Upper)	WVM-up	Fecal Coliform	Unknown	37.5	Entire length	2018	Yes
Camp Run	WVM-2.1	CNA-Biological	Unknown	3.2	Entire length	2022	Yes
UNT/Camp Run RM 0.79	WVM-2.1-A	CNA-Biological	Unknown	1.5	Entire length	2022	Yes
Crooked Run	WVM-2.5	CNA-Biological	Unknown	5.4	Entire length	2022	Yes
West Run	WVM-3	CNA-Biological	Unknown	6.4	Entire length	2022	Yes
Robinson Run	WVM-4	CNA-Biological	Unknown	4.4	Entire length	2022	Yes
Crafts Run	WVM-4-A	CNA-Biological	Unknown	2.6	Entire length	2022	Yes
UNT/Robinson Run RM 1.09	WVM-4-B	CNA-Biological	Unknown	1.2	Entire length	2022	Yes
UNT/Robinson Run RM 4.09	WVM-4-F	CNA-Biological	Unknown	0.6	Entire length	2022	Yes
Scotts Run	WVM-6	CNA-Biological	Unknown	6.0	Entire length	2022	Yes
UNT/Scotts Run RM 1.36	WVM-6-0.5A	CNA-Biological	Unknown	2.0	Entire length	2027	No
Wades Run	WVM-6-A	CNA-Biological	Unknown	2.8	Entire length	2022	Yes
Guston Run	WVM-6-B	CNA-Biological	Unknown	2.6	Entire length	2022	Yes
Dents Run	WVM-7	CNA-Biological	Unknown	9.2	Entire length	2022	Yes
Westover Park Pond	WVM-7-(L1)	Chlorophyll-A	Unknown	0.9	Entire lake	2027	No
Flaggy Meadow Run	WVM-7-A	CNA-Biological	Unknown	1.0	Entire length	2022	Yes
UNT/Dents Run RM 5.82	WVM-7-G	CNA-Biological	Unknown	1.7	Entire length	2022	Yes
UNT/Dents Run RM 7.26	WVM-7-K	CNA-Biological	Unknown	1.4	Entire length	2027	Yes
Deckers Creek	WVM-8	pH	Unknown	12.8	RM 11.5 to HW	2027	No
Hartman Run	WVM-8-0.5A	CNA-Biological	Unknown	1.6	Entire length	2022	Yes
UNT/Deep Hollow (Beulah Hollow) RM 0.94	WVM-8-A.7-2	Aluminum (d)	Unknown	0.8	Entire length	2027	Yes
UNT/Deep Hollow (Beulah Hollow) RM 0.94	WVM-8-A.7-2	pH	Unknown	0.8	Entire length	2027	Yes
UNT/Deckers Creek RM 18.48	WVM-8-J	pH	Unknown	0.9	RM 0.6 to HW	2027	No
Owl Creek	WVM-10-D	CNA-Biological	Unknown	4.0	Entire length	2022	Yes
UNT/Booths Creek RM 7.43	WVM-10-I	CNA-Biological	Unknown	3.1	Entire length	2022	Yes

## 2016 Section 303(d) List

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Toms Run	WVM-12	CNA-Biological	Unknown	3.3	Entire length	2027	No
Flaggy Meadow Run	WVM-14	CNA-Biological	Unknown	3.0	Entire length	2022	Yes
Flaggy Meadow Run	WVM-14	Selenium	Unknown	3.0	Entire length	2027	No
UNT/Flaggy Meadow Run RM 2.15	WVM-14-D	CNA-Biological	Unknown	0.8	Entire length	2022	Yes
Indian Creek	WVM-17	CNA-Biological	Unknown	9.4	Entire length	2022	Yes
Little Indian Creek	WVM-17-A	CNA-Biological	Unknown	5.6	Entire length	2022	Yes
Little Indian Creek	WVM-17-A	Iron	Unknown	2.1	RM 3.5 to HW	2027	No
Snider Run	WVM-17-A-1	CNA-Biological	Unknown	2.8	Entire length	2022	Yes
UNT/Little Indian Creek RM 3.19	WVM-17-A-6	CNA-Biological	Unknown	0.6	Entire length	2022	Yes
UNT/Indian Creek RM 7.23	WVM-17-E	CNA-Biological	Unknown	1.5	Entire length	2022	Yes
Paw Paw Creek	WVM-22	CNA-Biological	Unknown	14.4	Entire length	2022	Yes
Sugar Run	WVM-22-K	CNA-Biological	Unknown	2.2	Entire length	2022	Yes
Harvey Run	WVM-22-L	CNA-Biological	Unknown	1.4	Entire length	2022	Yes
Harvey Run	WVM-22-L	Selenium	Unknown	1.4	Entire length	2027	No
UNT/Monongahela River RM 126.32	WVM-22.8	CNA-Biological	Unknown	1.0	Entire length	2027	Yes
UNT/Monongahela River RM 126.94	WVM-22.9	Aluminum (d)	Unknown	0.5	Entire length	2027	Yes
UNT/Monongahela River RM 126.94	WVM-22.9	pH	Unknown	0.5	Entire length	2027	Yes
Buffalo Creek	WVM-23	CNA-Biological	Unknown	30.2	Entire length	2022	Yes
Moody Run	WVM-23-C	CNA-Biological	Unknown	1.9	Entire length	2022	Yes
Pyles Fork	WVM-23-O	CNA-Biological	Unknown	11.0	Entire length	2022	Yes
Flat Run	WVM-23-O-3	CNA-Biological	Unknown	5.0	Entire length	2022	Yes
Llewellyn Run	WVM-23-O-3-A	CNA-Biological	Unknown	2.6	Entire length	2022	Yes
Whetstone Run	WVM-23-Q	CNA-Biological	Unknown	2.6	Entire length	2022	Yes
UNT/Monongahela River RM 128.55	WVM-25.9	CNA-Biological	Unknown	1.2	Entire length	2022	Yes

**2016 Section 303(d) List**

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than) 2014 list?
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Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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**UPPER NEW WATERSHED - HUC# 05050002***1 Lake 59 acres 7 streams 95 miles*

Bluestone River	WVKNB	PCBs	Unknown	67.1	Entire length	2022	Yes
UNT/Jumping Branch RM 2.48	WVKNB-3-C-1-E	CNA-Biological	Unknown	0.9	Entire length	2022	Yes
Glenwood Park Lake (upper)	WVKNB-12-K-(L2)	Phosphorus	Unknown	59.0	Entire lake	2027	No
Widemouth Creek	WVKNB-28	Iron (trout)	Unknown	0.7	Mouth to RM 0.7	2022	Yes
Godfrey Branch	WVKNB-28-A	CNA-Biological	Unknown	2.6	Entire length	2027	No
Belcher Branch	WVKNB-30-C	Selenium	Unknown	2.2	Entire length	2027	Yes
UNT/Crane Creek RM 4.47	WVKNB-30-D.5	pH	Unknown	2.2	Entire length	2027	No
East River	WVKN-60	CNA-Biological	Unknown	18.9	RM 4.0 to HW	2022	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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## HYDROLOGIC GROUP E

### BIG SANDY WATERSHED - HUC# 05070204

*12 streams 63 miles*

Big Sandy River	WVBS	Iron	Unknown	26.6	Entire length	2025	Yes
Miller Creek	WVBS-1	CNA-Biological	Unknown	1.7	Entire length	2020	Yes
Miller Creek	WVBS-1	Fecal Coliform	Unknown	1.7	Entire length	2020	Yes
Cedar Run	WVBS-3	CNA-Biological	Unknown	1.5	Entire length	2020	Yes
Whites Creek	WVBS-5	CNA-Biological	Unknown	8.8	Entire length	2020	Yes
Balangee Branch	WVBS-5-A.9	CNA-Biological	Unknown	1.6	Entire length	2020	No
Gragston Creek	WVBS-6	CNA-Biological	Unknown	6.5	Entire length	2020	Yes
Elijah Creek	WVBS-7	CNA-Biological	Unknown	2.2	Entire length	2020	Yes
Gilkerson Branch	WVBS-7-B	CNA-Biological	Unknown	1.2	Entire length	2020	Yes
Hurricane Creek	WVBS-8	CNA-Biological	Unknown	7.9	Entire length	2020	Yes
Sugar Branch	WVBS-8-0.7A	CNA-Biological	Unknown	0.8	Entire length	2020	Yes
Tabor Creek	WVBS-10	CNA-Biological	Unknown	3.8	RM 1.0 to RM 4.8	2020	Yes
Redhead Branch	WVBS-13	CNA-Biological	Unknown	0.7	Entire length	2020	Yes

### CACAPON WATERSHED - HUC# 02070003

*7 streams 84 miles*

Cacapon River	WVPC	CNA-Algae	Unknown	37.0	RM 39 (North River) to RM 76 (Rte 259 bridge near Wardensville)	2023	Yes
Hiatt Run	WVPC-7-D	CNA-Biological	Unknown	5.7	Entire length	2023	Yes
UNT/Bearwallow Creek RM 0.98	WVPC-7-F-1-B	CNA-Biological	Unknown	3.4	Entire length	2023	Yes
UNT/Mill Branch RM 1.99	WVPC-12-B	CNA-Biological	Unknown	2.6	Entire length	2023	Yes
Moores Run	WVPC-20	CNA-Biological	Unknown	9.2	Entire length	2028	No
Dawson Run	WVP-18.5	CNA-Biological	Unknown	2.9	Entire length	2023	Yes
Little Cacapon River	WVP-19	CNA-Biological	Unknown	23.3	RM 5.7 to HW	2023	Yes

**WEST VIRGINIA**

**2016 Section 303(d) List**

**WEST VIRGINIA**

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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**DUNKARD WATERSHED - HUC# 05020005**

*7 streams 21 miles*

UNT/Building Run RM 0.47	WVM-1-C-3-A-1	Selenium	Unknown	0.4	Entire length	2023	Yes
Miracle Run	WVM-1-E	CNA-Biological	Mining	7.6	Entire length	2023	Yes
UNT/Right Branch RM 0.95/Miracle Run	WVM-1-E-2-C	CNA-Biological	Unknown	0.6	Entire length	2023	Yes
UNT/Miracle Run RM 4.89	WVM-1-E-4.7	Selenium	Unknown	0.8	Entire length	2023	Yes
Building Run	WVM-1-E-5	CNA-Biological	Mining	1.3	Entire length	2023	Yes
West Virginia Fork/Dunkard Creek	WVM-1-F	CNA-Biological	Mining	5.8	Entire length	2023	Yes
South Fork/West Virginia Fork/Dunkard Creek	WVM-1-F-7	CNA-Biological	Mining	4.8	Entire length	2023	Yes

**LOWER OHIO WATERSHED - HUC# 05090101**

*17 streams 149 miles*

Ohio River (Lower)	WVO-lo	Bacteria	Unknown	48.8	MP 317.3 to MP 306.4; 303.6-265.7	2017	Yes
Ohio River (Lower)	WVO-lo	Iron	Unknown	13.5	MP 279.2 to MP 265.7	2020	Yes
Fourpole Creek	WVO-3	CNA-Biological	Unknown	11.7	Entire length	2020	Yes
Sevenmile Creek	WVO-6	CNA-Biological	Unknown	5.9	Entire length	2020	Yes
Ninemile Creek	WVO-7	CNA-Biological	Unknown	7.0	Mouth to RM 7.0	2020	Yes
Guyan Creek	WVO-9	CNA-Biological	Unknown	12.5	Mouth to RM 12.5	2020	Yes
Spurlock Creek	WVO-9-A	CNA-Biological	Unknown	5.5	Entire length	2020	Yes
McCowan Branch	WVO-9-B	CNA-Biological	Unknown	2.5	Entire length	2020	Yes
Bear Hollow Creek	WVO-9-F	CNA-Biological	Unknown	5.9	Entire length	2020	Yes
UNT/Bear Hollow Creek RM 1.20	WVO-9-F-2	CNA-Biological	Unknown	1.4	Entire length	2020	Yes
Eighteenmile Creek	WVO-10	CNA-Biological	Unknown	12.9	Entire length	2020	Yes
Rocky Fork	WVO-10-A	CNA-Biological	Unknown	2.7	Entire length	2020	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Mud Run	WVO-10-D	CNA-Biological	Unknown	1.5	Mouth to RM 1.5	2020	Yes
Sixteenmile Creek	WVO-11	CNA-Biological	Unknown	13.2	Mouth to RM 13.2	2020	Yes
Stonecoal Run	WVO-11-A	CNA-Biological	Unknown	2.5	Entire length	2020	Yes
Crab Creek	WVO-13	CNA-Biological	Unknown	6.7	Mouth to RM 6.7	2020	Yes
Mud Run	WVO-13-A	CNA-Biological	Unknown	4.4	Entire length	2020	Yes
Middle Fork/Crab Creek	WVO-13-D	CNA-Biological	Unknown	4.3	Entire length	2020	Yes

**TWELVEPOLE WATERSHED - HUC# 05090102***1 Lake 720 acres 37 streams 218 miles*

Twelvepole Creek	WVO-2	CNA-Biological	Unknown	33.0	Entire length	2020	Yes
Twelvepole Creek	WVO-2	Fecal Coliform	Unknown	33.0	Entire length	2020	Yes
Twelvepole Creek	WVO-2	Iron	Unknown	33.0	Entire length	2020	Yes
Krout Creek	WVO-2-0.1A	CNA-Biological	Unknown	2.4	Entire length	2020	Yes
UNT/Twelvepole Creek RM 5.72	WVO-2-A.1	CNA-Biological	Unknown	2.0	Entire length	2020	Yes
Buffalo Creek	WVO-2-C	CNA-Biological	Unknown	6.6	Entire length	2020	Yes
Camp Creek	WVO-2-G	CNA-Biological	Unknown	3.4	Entire length	2020	Yes
Right Fork/Camp Creek	WVO-2-G-1	CNA-Biological	Unknown	2.6	Entire length	2020	Yes
Beech Fork	WVO-2-H	CNA-Biological	Unknown	20.2	Mouth to RM 3.7 (dam) and Lake backwaters to HW	2020	Yes
Beech Fork Lake	WVO-2-H-(L1)	Phosphorus	Unknown	720.0	Entire lake	2028	No
Long Branch	WVO-2-H-7	CNA-Biological	Unknown	3.6	Entire length	2020	Yes
Butler Branch	WVO-2-H-8	CNA-Biological	Unknown	1.8	Entire length	2020	Yes
Lynn Creek	WVO-2-I	CNA-Biological	Unknown	3.0	Entire length	2023	Yes
Shoal Branch	WVO-2-M	CNA-Biological	Unknown	1.1	Entire length	2020	Yes
Left Fork/Wilson Creek	WVO-2-N-1	CNA-Biological	Unknown	2.2	Entire length	2020	Yes
Toms Creek	WVO-2-O	CNA-Biological	Unknown	2.6	Entire length	2020	Yes
West Fork/Twelvepole Creek	WVO-2-P	CNA-Biological	Unknown	58.4	Entire length	2020	Yes
West Fork/Twelvepole Creek	WVO-2-P	Iron	Unknown	5.9	RM 52.5 to HW	2028	No
Big Branch	WVO-2-P-1	CNA-Biological	Unknown	2.2	Entire length	2020	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Trace Fork	WVO-2-P-4	CNA-Biological	Unknown	4.5	Entire length	2020	Yes
Billy Branch	WVO-2-P-12	CNA-Biological	Unknown	2.8	Entire length	2020	Yes
Wells Branch	WVO-2-P-19	CNA-Biological	Unknown	1.7	Entire length	2020	Yes
Moses Fork	WVO-2-P-21	CNA-Biological	Unknown	3.7	Mouth to RM 3.7	2020	Yes
Right Fork/Moses Fork	WVO-2-P-21-C	CNA-Biological	Unknown	1.7	Entire length	2020	Yes
Turkey Creek	WVO-2-P-29	CNA-Biological	Unknown	5.3	Entire length	2023	Yes
Turkey Creek	WVO-2-P-29	Iron	Unknown	3.4	RM 1.9 to HW	2028	No
Jacks Fork	WVO-2-P-29-B	Iron	Unknown	1.6	Entire length	2028	No
Breeden Creek	WVO-2-P-36	CNA-Biological	Unknown	3.2	Entire length	2020	Yes
Breeden Creek	WVO-2-P-36	Iron	Unknown	1.1	RM 2.1 to HW	2028	No
Openmouth Branch	WVO-2-P-37	Iron	Unknown	1.5	RM 0.7 to HW	2028	No
Moses Fork	WVO-2-P-43	CNA-Biological	Unknown	2.5	Entire length	2020	Yes
East Fork/Twelvepole Creek	WVO-2-Q	CNA-Biological	Unknown	18.2	RM 4.4 to RM 10.5 (East Lynn Dam) and RM 36.6 to RM 48.7	2020	Yes
Lynn Creek	WVO-2-Q-9	CNA-Biological	Unknown	1.9	Entire length	2020	Yes
Rich Creek	WVO-2-Q-14	Iron	Unknown	3.5	Entire length	2020	Yes
Cove Creek	WVO-2-Q-17	CNA-Biological	Unknown	4.8	Entire length	2020	Yes
Kiah Creek	WVO-2-Q-18	CNA-Biological	Unknown	8.6	Mouth to RM 8.6	2020	Yes
Trough Fork	WVO-2-Q-18-C	CNA-Biological	Unknown	1.7	RM 0.5 to RM 2.2	2028	No
Parker Branch	WVO-2-Q-18-D	CNA-Biological	Unknown	1.4	Mouth to RM 1.4 (below impoundment)	2020	Yes
Copley Trace Branch	WVO-2-Q-18-G	CNA-Biological	Unknown	1.5	Mouth to RM 1.5	2020	Yes
Copley Trace Branch	WVO-2-Q-18-G	Selenium	Unknown	1.9	Entire length	2028	No
Jims Branch	WVO-2-Q-18-H	CNA-Biological	Unknown	0.9	Mouth to RM 0.9	2023	Yes
Maynard Branch	WVO-2-Q-23	CNA-Biological	Unknown	0.2	Mouth to RM 0.2	2020	Yes
Honey Branch	WVO-2-Q-29	CNA-Biological	Unknown	0.2	Mouth to RM 0.2 (below impoundment)	2020	Yes
UNT/Laurel Branch RM 0.34	WVO-2-Q-30-A	Selenium	Unknown	0.9	Entire length	2028	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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**UPPER GUYANDOTTE WATERSHED - HUC# 05070101***1 Lake 630 acres 106 streams 362 miles*

Island Creek	WVOG-65	CNA-Biological	Unknown	18.1	Entire length	2019	Yes
Rockhouse Branch	WVOG-65-B-1-F	CNA-Biological	Unknown	2.3	Entire length	2019	Yes
Whitman Creek	WVOG-65-B-2	CNA-Biological	Unknown	6.8	Entire length	2019	Yes
Left Fork/Whitman Creek	WVOG-65-B-2-A	CNA-Biological	Unknown	2.7	Entire length	2019	No
UNT/Whitman Creek RM 3.83 (Skifus Branch)	WVOG-65-B-2-C	Selenium	Unknown	0.8	Entire length	2019	Yes
UNT/Trace Fork RM 2.95	WVOG-65-B-4-G	Selenium	Unknown	0.7	Entire length	2019	Yes
Curry Branch	WVOG-65-B-5	CNA-Biological	Unknown	0.9	Entire length	2019	Yes
Mill Creek	WVOG-65-C	CNA-Biological	Unknown	1.6	Entire length	2019	Yes
Middle Fork/Island Creek	WVOG-65-G	CNA-Biological	Unknown	5.0	Entire length	2019	No
Middle Fork/Island Creek	WVOG-65-G	Iron	Unknown	2.1	RM 2.9 to HW	2019	No
Pine Creek	WVOG-65-H	CNA-Biological	Unknown	6.4	Entire length	2019	Yes
Pine Creek	WVOG-65-H	Iron	Unknown	3.0	RM 3.4 to HW	2019	No
Pine Creek	WVOG-65-H	Selenium	Unknown	6.4	Entire length	2019	Yes
Right Fork/Pine Creek	WVOG-65-H-1	CNA-Biological	Unknown	3.0	Entire length	2019	Yes
Right Fork/Pine Creek	WVOG-65-H-1	Selenium	Unknown	0.3	RM 2.7 to HW	2019	Yes
Left Fork/Pine Creek	WVOG-65-H-3	Selenium	Unknown	2.4	Entire length	2019	Yes
UNT/Pine Creek RM 5.96	WVOG-65-H-5	Selenium	Unknown	0.7	Entire length	2019	Yes
Cow Creek	WVOG-65-J	CNA-Biological	Unknown	6.6	Entire length	2019	Yes
Cow Creek	WVOG-65-J	Selenium	Unknown	5.9	RM 0.7 to HW	2019	No
Littles Creek	WVOG-65-K	CNA-Biological	Unknown	3.7	Entire length	2019	Yes
Lower Dempsey Branch	WVOG-65-L.5	CNA-Biological	Unknown	1.1	Entire length	2019	Yes
Upper Dempsey Branch	WVOG-65-O	CNA-Biological	Unknown	1.5	Entire length	2019	Yes
Dingess Run	WVOG-68	CNA-Biological	Unknown	7.2	Entire length	2019	Yes
Dingess Run	WVOG-68	Selenium	Unknown	7.2	Entire length	2019	Yes

## 2016 Section 303(d) List

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Bandmill Hollow (Righthand Fork)	WVOG-68-A	CNA-Biological	Unknown	3.6	Entire length	2019	Yes
Bandmill Hollow (Righthand Fork)	WVOG-68-A	Iron	Unknown	2.3	RM 1.3 to HW	2019	No
Bandmill Hollow (Righthand Fork)	WVOG-68-A	Selenium	Unknown	3.6	Entire length	2019	Yes
Freeze Fork	WVOG-68-G	CNA-Biological	Unknown	2.1	Entire length	2019	Yes
Freeze Fork	WVOG-68-G	Selenium	Unknown	2.1	Entire length	2019	Yes
UNT/Freeze Fork RM 1.05	WVOG-68-G-1	CNA-Biological	Unknown	1.7	Entire length	2019	Yes
Georges Creek	WVOG-68-H	CNA-Biological	Unknown	2.1	Mouth to RM 2.1	2019	Yes
Georges Creek	WVOG-68-H	Selenium	Unknown	2.4	Entire length	2019	Yes
UNT/Georges Creek RM 1.07	WVOG-68-H-1	Selenium	Unknown	1.2	Entire length	2019	Yes
UNT/Georges Creek RM 1.50	WVOG-68-H-2	Selenium	Unknown	0.9	Entire length	2019	No
Rum Creek	WVOG-70	CNA-Biological	Unknown	8.8	Entire length	2019	Yes
Rum Creek	WVOG-70	Selenium	Unknown	8.8	Entire length	2019	Yes
Right Hand Fork/Rum Creek	WVOG-70-A	CNA-Biological	Unknown	4.0	Entire length	2019	Yes
Right Hand Fork/Rum Creek	WVOG-70-A	Selenium	Unknown	4.0	Entire length	2019	No
Burgess Branch	WVOG-70-A-1	CNA-Biological	Unknown	1.5	Entire length	2019	Yes
UNT/Rum Creek RM 1.83	WVOG-70-A.2	Iron	Unknown	1.5	Entire length	2019	No
UNT/Rum Creek RM 1.83	WVOG-70-A.2	Selenium	Unknown	1.5	Entire length	2019	No
Slab Fork	WVOG-70-B	CNA-Biological	Unknown	4.0	Entire length	2019	No
Slab Fork	WVOG-70-B	Selenium	Unknown	4.0	Entire length	2019	Yes
Camp Branch	WVOG-71.5	CNA-Biological	Unknown	1.9	Entire length	2019	Yes
Madison Branch	WVOG-72	CNA-Biological	Unknown	1.7	Entire length	2019	Yes
UNT/Madison Branch RM 0.68	WVOG-72-A	CNA-Biological	Unknown	1.0	Entire length	2019	Yes
Left Fork/Rich Creek	WVOG-73-A	Selenium	Unknown	2.4	Entire length	2019	No
UNT/Left Fork RM 1.02/Rich Creek	WVOG-73-A-1	Selenium	Unknown	1.0	Entire length	2019	No

## 2016 Section 303(d) List

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Laurel Branch	WVOG-73-D	Selenium	Unknown	0.9	Entire length	2019	No
Buffalo Creek	WVOG-75	Iron (trout)	Unknown	4.6	RM 10.0 to RM 14.6	2019	No
Buffalo Creek	WVOG-75	Selenium	Unknown	0.6	RM 3.2 to RM 3.8	2019	No
Right Fork/Buffalo Creek	WVOG-75-A	CNA-Biological	Unknown	3.1	Mouth to RM 3.1	2019	Yes
Right Fork/Buffalo Creek	WVOG-75-A	Selenium	Unknown	8.1	Entire length	2019	Yes
Perry Branch	WVOG-75-A-1	CNA-Biological	Unknown	1.4	Entire length	2019	Yes
UNT/Proctor Hollow RM 0.54	WVOG-75-C.5-1	Iron	Unknown	0.8	Entire length	2019	No
UNT/Proctor Hollow RM 0.54	WVOG-75-C.5-1	Selenium	Unknown	0.8	Entire length	2019	Yes
Robinette Branch	WVOG-75-D	CNA-Biological	Unknown	1.5	Entire length	2019	Yes
Dingess Branch	WVOG-75-H	CNA-Biological	Unknown	1.6	Mouth to RM 1.6	2019	No
Elklick Branch	WVOG-75-K	Iron	Unknown	2.2	Entire length	2019	No
UNT/Elklick Branch RM 0.89	WVOG-75-K-1	Iron	Unknown	1.2	Entire length	2019	No
Middle Fork/Buffalo Creek	WVOG-75-L-1	Aluminum (d)	Unknown	2.2	Entire length	2019	No
Middle Fork/Buffalo Creek	WVOG-75-L-1	CNA-Biological	Unknown	2.2	Entire length	2019	Yes
Middle Fork/Buffalo Creek	WVOG-75-L-1	pH	Unknown	2.2	Entire length	2019	No
Huff Creek	WVOG-76	Selenium	Unknown	3.7	RM 10.7 to RM 14.4	2019	No
Sugarcamp Branch	WVOG-76-J	CNA-Biological	Unknown	1.3	Entire length	2019	Yes
Beech Branch	WVOG-76-K	CNA-Biological	Unknown	1.6	Entire length	2019	Yes
Beech Branch	WVOG-76-K	Selenium	Unknown	0.6	Mouth to RM 0.6	2019	No
UNT/Beech Branch RM 0.61	WVOG-76-K-1	CNA-Biological	Unknown	1.0	Entire length	2019	Yes
Toney Fork	WVOG-76-L	Aluminum (d)	Unknown	3.2	RM 1.1 to HW	2019	No
Toney Fork	WVOG-76-L	pH	Unknown	4.3	Entire length	2019	No
Paynter Branch	WVOG-76-M	CNA-Biological	Unknown	2.5	Entire length	2019	Yes
Road Branch	WVOG-76-O	Selenium	Unknown	2.5	Entire length	2019	Yes
UNT/Road Branch RM 1.79	WVOG-76-O-3	Selenium	Unknown	0.5	Entire length	2019	Yes
Rockhouse Creek	WVOG-77	Iron	Unknown	1.9	RM 0.4 to RM 2.3	2019	No
Spring Branch	WVOG-77-A	Selenium	Unknown	1.8	Entire length	2019	No
UNT/Spring Branch RM 0.56	WVOG-77-A-1	Selenium	Unknown	0.7	Entire length	2019	No

## 2016 Section 303(d) List

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Oldhouse Branch	WVOG-77-A.5	Aluminum (d)	Unknown	1.1	Entire length	2019	No
Lick Branch	WVOG-77-B	Selenium	Unknown	0.6	Mouth to RM 0.6	2019	No
Lefthand Fork/Rockhouse Creek	WVOG-77-D	Aluminum (d)	Unknown	1.3	RM 1.1 to HW	2019	No
Lefthand Fork/Rockhouse Creek	WVOG-77-D	CNA-Biological	Unknown	2.4	Entire length	2019	Yes
Lefthand Fork/Rockhouse Creek	WVOG-77-D	Iron	Unknown	2.4	Entire length	2019	No
Lefthand Fork/Rockhouse Creek	WVOG-77-D	pH	Unknown	1.3	RM 1.1 to HW	2019	No
Right Fork/Sandlick Creek	WVOG-78-A	CNA-Biological	Unknown	1.3	Entire length	2019	Yes
Spice Creek	WVOG-82	CNA-Biological	Unknown	1.8	Entire length	2019	Yes
Stafford Branch	WVOG-88	CNA-Biological	Unknown	1.4	Entire length	2019	Yes
Gilbert Creek	WVOG-89	CNA-Biological	Unknown	7.3	Entire length	2019	No
Gilbert Creek	WVOG-89	Selenium	Unknown	7.3	Entire length	2019	No
Horsepen Creek	WVOG-89-B	Selenium	Unknown	4.3	Mouth to RM 4.3	2019	No
Lower Pete Branch	WVOG-89-B-0.3	Selenium	Unknown	1.1	Entire length	2019	No
Browning Fork	WVOG-89-B-1	CNA-Biological	Unknown	4.4	RM 0.6 to HW	2019	Yes
Adams Fork	WVOG-89-C.3	Selenium	Unknown	1.4	Entire length	2019	No
Little Huff Creek	WVOG-92	CNA-Biological	Unknown	7.9	Mouth to RM 7.9	2019	Yes
Little Cub Creek	WVOG-92-B	CNA-Biological	Unknown	2.8	Entire length	2019	Yes
Suke Creek	WVOG-92-M	CNA-Biological	Unknown	2.4	Entire length	2019	Yes
R D Bailey Lake	WVOG-(L1)	PCBs	Unknown	630.0	Entire lake	2022	Yes
Big Cub Creek	WVOG-96	CNA-Biological	Unknown	6.2	RM 2.54 to HW	2019	Yes
Road Branch	WVOG-96-B	CNA-Biological	Unknown	1.6	Entire length	2019	Yes
Road Branch	WVOG-96-B	Selenium	Unknown	1.6	Entire length	2019	No
UNT/Road Branch RM 1.13	WVOG-96-B-2	CNA-Biological	Unknown	0.5	Entire length	2019	Yes
Long Branch	WVOG-97	CNA-Biological	Unknown	2.7	Entire length	2019	Yes
Reedy Branch	WVOG-99	CNA-Biological	Unknown	2.8	Entire length	2019	No
Chestnut Flats Branch	WVOGC-16-B-1	CNA-Biological	Unknown	1.0	Entire length	2019	Yes
Cabin Branch	WVOGC-16-C	CNA-Biological	Unknown	2.0	Entire length	2019	Yes
Tom Bailey Branch	WVOGC-16-J-1	CNA-Biological	Unknown	2.0	Entire length	2019	Yes

## WEST VIRGINIA

## 2016 Section 303(d) List

## WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
White Oak Branch	WVOGC-16-N	CNA-Biological	Unknown	1.9	Entire length	2019	No
Franks Fork	WVOGC-16-U	CNA-Biological	Unknown	1.8	Entire length	2019	Yes
Knob Fork	WVOGC-28	CNA-Biological	Unknown	2.1	Entire length	2019	Yes
Indian Creek	WVOG-110	CNA-Biological	Unknown	19.7	Entire length	2019	Yes
Brier Creek	WVOG-110-A	CNA-Biological	Unknown	4.8	Entire length	2019	No
Wolf Pen Branch	WVOG-110-G	CNA-Biological	Unknown	2.8	Entire length	2019	No
Lanes Branch	WVOG-114	Iron	Unknown	1.9	Entire length	2019	No
UNT/Big Branch RM 1.04	WVOG-120-A	Iron	Unknown	0.3	Entire length	2019	No
UNT/Big Branch RM 1.54	WVOG-120-C	CNA-Biological	Unknown	0.7	Entire length	2019	Yes
Rockcastle Creek	WVOG-123	CNA-Biological	Unknown	4.0	Mouth to RM 4.0	2019	Yes
Pinnacle Creek	WVOG-124	CNA-Biological	Unknown	26.6	Entire length	2019	Yes
Little White Oak Creek	WVOG-124-E	CNA-Biological	Unknown	3.2	Entire length	2019	Yes
Little White Oak Creek	WVOG-124-E	Iron	Unknown	1.8	RM 1.4 to HW	2019	No
Sulphur Branch	WVOG-124-E-0.5	CNA-Biological	Unknown	2.0	Entire length	2019	Yes
Sulphur Branch	WVOG-124-E-0.5	Iron	Unknown	2.0	Entire length	2019	No
Payne Branch	WVOG-124-J-1	Iron	Unknown	1.7	Entire length	2019	No
UNT/Payne Branch RM 1.37	WVOG-124-J-1-C	Iron	Unknown	0.4	Entire length	2019	No
Beartown Fork	WVOG-124-N	Iron	Unknown	6.5	Entire length	2019	No
Little Pinnacle Creek	WVOG-124-P	CNA-Biological	Unknown	3.4	Entire length	2019	Yes
Sugar Run	WVOG-125	CNA-Biological	Unknown	2.1	Entire length	2019	Yes
Marsh Fork	WVOG-127-D	CNA-Biological	Unknown	3.5	Entire length	2019	Yes
Barkers Creek	WVOG-131	Fecal Coliform	Unknown	8.0	Entire length	2019	Yes
Gooney Otter Creek	WVOG-131-F	Aluminum (trout) (d)	Unknown	6.8	Entire length	2019	No
Gooney Otter Creek	WVOG-131-F	CNA-Biological	Unknown	6.8	Entire length	2019	Yes
UNT/Slab Fork RM 7.96	WVOG-134-D.5	CNA-Biological	Unknown	0.7	Entire length	2019	Yes

**WEST VIRGINIA**

**2016 Section 303(d) List**

**WEST VIRGINIA**

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Big Branch	WVOG-136	CNA-Biological	Unknown	0.4	Mouth to RM 0.4	2019	Yes
Devils Fork	WVOG-137	Fecal Coliform	Unknown	4.9	Entire length	2019	Yes
Winding Gulf	WVOG-138	Fecal Coliform	Unknown	15.5	Entire length	2019	Yes
Berry Branch	WVOG-138-A	Fecal Coliform	Unknown	2.9	Entire length	2019	Yes
West Fork/Winding Gulf	WVOG-138-G	pH	Unknown	1.3	RM 1.3 to HW	2019	No
Tommy Creek	WVOG-139-A	CNA-Biological	Unknown	3.4	Mouth to RM 3.4	2019	Yes
Tommy Creek	WVOG-139-A	Iron (trout)	Unknown	11.3	Entire length	2019	No
Riffe Branch	WVOG-139-B	Iron	Unknown	3.8	Entire length	2019	No

**UPPER OHIO SOUTH WATERSHED - HUC# 05030106**

*3 Lake 79 acres 20 streams 145 miles*

Ohio River (Upper South)	WVO-us	Bacteria	Unknown	42.4	MP 113.8 (mouth of Fish Ck) to MP 71.4 (mouth of Cross Ck)	2017	Yes
Ohio River (Upper South)	WVO-us	Dioxin	Unknown	42.4	MP 113.8 (mouth of Fish Ck) to MP 71.4 (mouth of Cross Ck)	2026	Yes
Fish Creek	WVO-77	CNA-Biological	Unknown	24.0	Mouth to RM 24.0	2028	Yes
Conner Run	WVO-77-A	CNA-Biological	Unknown	0.4	Mouth to RM 0.4	2028	Yes
Bark Camp Run	WVO-77-H-0.8	CNA-Biological	Unknown	1.6	Entire length	2028	Yes
West Virginia Fork/Fish Creek	WVO-77-O	CNA-Biological	Unknown	22.0	Entire length	2028	Yes
Church Fork	WVO-77-O-11	CNA-Biological	Unknown	3.6	Entire length	2028	Yes
Boggs Run	WVO-86	CNA-Biological	Mining	4.2	Entire length	2023	Yes
Browns Run	WVO-86-A	CNA-Biological	Mining	1.7	Entire length	2023	Yes
UNT/Boggs Run RM 2.69	WVO-86-C	CNA-Biological	Mining	1.4	Entire length	2023	Yes
Bear Rock Lake # 2	WVO-88-D-2-F-(L2)	Chlorophyll-A	Unknown	8.0	Entire lake	2028	No
Bear Rock Lake # 2	WVO-88-D-2-F-(L2)	Phosphorus	Unknown	8.0	Entire lake	2028	No
UNT/Wheeling Creek RM 25.77	WVO-88-M.3	CNA-Biological	Mining	1.5	Entire length	2023	Yes
Dunkard Fork Lake	WVO-88-N-(L1)	Phosphorus	Unknown	49.0	Entire lake	2028	No

**WEST VIRGINIA**

**2016 Section 303(d) List**

**WEST VIRGINIA**

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
UNT/Wharton Run RM 2.01	WVO-88-N-1-C	Iron	Unknown	0.9	Entire length	2028	No
Graeb Hollow	WVO-89-A	CNA-Biological	Mining	1.3	Entire length	2023	Yes
Short Creek	WVO-90	CNA-Biological	Mining	10.3	Entire length	2023	Yes
Girty Run	WVO-90-A	CNA-Biological	Mining	2.0	Entire length	2023	Yes
Girty Run	WVO-90-A	Iron	Unknown	0.8	RM 1.2 to HW	2028	No
Souttell Run	WVO-90-B	Iron	Unknown	1.0	Entire length	2028	No
North Fork/Short Creek	WVO-90-D	CNA-Biological	Mining	4.4	Entire length	2023	Yes
Huff Run	WVO-90-D-1	CNA-Biological	Mining	2.0	Entire length	2023	Yes
UNT/Short Creek RM 6.03	WVO-90-H	CNA-Biological	Unknown	0.7	Entire length	2028	Yes
UNT/Short Creek RM 6.03	WVO-90-H	Iron	Unknown	0.7	Entire length	2028	Yes
UNT/Ohio River MP 79.4 (Harrison Run)	WVO-91	CNA-Biological	Mining	1.0	Entire length	2023	Yes
Buffalo Creek	WVO-92	CNA-Biological	Unknown	18.3	Entire length	2028	No
Castleman Run Lake	WVO-92-L-(L1)	Chlorophyll-A	Unknown	22.0	Entire lake	2028	No
Castleman Run Lake	WVO-92-L-(L1)	Phosphorus	Unknown	22.0	Entire lake	2028	No

**WEST FORK WATERSHED - HUC# 05020002**

*1 Lake 2650 acres 114 streams 415 miles*

Stonewall Jackson Lake	WVMW-(L1)	Chlorophyll-A	Unknown	560	9.6 miles above dam to HW of lake	2023	Yes
Stonewall Jackson Lake	WVMW-(L1)	Methylmercury	Unknown	2650	Entire lake	2023	Yes
UNT/Booths Creek RM 1.39	WVMW-2-0.1A	CNA-Biological	Unknown	1.0	Entire length	2023	Yes
UNT/Booths Creek RM 4.11	WVMW-2-0.6A	CNA-Biological	Unknown	1.0	Entire length	2023	Yes
UNT/Booths Creek RM 4.81	WVMW-2-0.8A	CNA-Biological	Unknown	0.8	Entire length	2023	Yes
Horners Run	WVMW-2-D	CNA-Biological	Unknown	2.6	Entire length	2023	Yes
Purdys Run	WVMW-2-D-1	CNA-Biological	Unknown	1.4	Entire length	2023	Yes
Coons Run	WVMW-3	CNA-Biological	Unknown	1.0	Entire length	2023	Yes
Camp Run	WVMW-6	CNA-Biological	Unknown	2.2	Entire length	2023	Yes
Bingamon Creek	WVMW-7	CNA-Biological	Unknown	14.6	Entire length	2023	Yes

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Elklick Run	WVMW-7-C	CNA-Biological	Unknown	1.2	Entire length	2028	No
Cunningham Run	WVMW-7-D	CNA-Biological	Unknown	2.4	Entire length	2023	Yes
Glade Fork	WVMW-7-F	CNA-Biological	Unknown	5.0	Entire length	2023	Yes
Harris Fork	WVMW-7-H	CNA-Biological	Unknown	1.8	Entire length	2023	Yes
UNT/Harris Fork RM 0.65	WVMW-7-H-2	CNA-Biological	Unknown	0.8	Entire length	2023	Yes
UNT/West Fork River RM 11.44	WVMW-7.1	CNA-Biological	Unknown	0.7	Entire length	2023	Yes
Laurel Run	WVMW-8	CNA-Biological	Unknown	1.2	Entire length	2023	Yes
UNT/West Fork River RM 13.10	WVMW-8.5	CNA-Biological	Unknown	0.8	Entire length	2023	Yes
Mudlick Run	WVMW-9	CNA-Biological	Unknown	2.9	Entire length	2023	Yes
UNT/West Fork River RM 13.91	WVMW-9.5	CNA-Biological	Unknown	0.7	Entire length	2023	Yes
Browns Run	WVMW-10	CNA-Biological	Unknown	1.0	Entire length	2023	Yes
Shinns Run	WVMW-11	CNA-Biological	Unknown	6.6	Entire length	2023	Yes
UNT/Shinns Run RM 3.69	WVMW-11-D	CNA-Biological	Unknown	1.6	Entire length	2023	Yes
UNT/Shinns Run RM 4.15	WVMW-11-E	CNA-Biological	Unknown	1.0	Entire length	2023	Yes
UNT/Shinns Run RM 5.61	WVMW-11-F	CNA-Biological	Unknown	0.6	Entire length	2023	Yes
UNT/Shinns Run RM 5.97	WVMW-11-G	CNA-Biological	Unknown	0.8	Entire length	2023	Yes
Robinson Run	WVMW-12	CNA-Biological	Unknown	5.4	Entire length	2023	Yes
Pigotts Run	WVMW-12-A	CNA-Biological	Unknown	1.2	Entire length	2028	No
Tenmile Creek	WVMW-13	CNA-Biological	Unknown	23.6	Mouth to RM 23.6	2023	Yes
Jack Run	WVMW-13-0.5A	CNA-Biological	Unknown	1.0	Entire length	2023	Yes
Jones Creek	WVMW-13-A	CNA-Biological	Unknown	8.8	Entire length	2023	Yes
Little Tenmile Creek	WVMW-13-B	CNA-Biological	Unknown	13.0	Entire length	2023	Yes
Peters Run	WVMW-13-B-1	CNA-Biological	Unknown	1.2	Entire length	2023	Yes
UNT/Little Tenmile Creek RM 1.91	WVMW-13-B-1.5	CNA-Biological	Unknown	1.0	Entire length	2023	Yes
Bennett Run	WVMW-13-B-2	CNA-Biological	Unknown	2.4	Entire length	2023	Yes
Big Elk Creek	WVMW-13-B-6	CNA-Biological	Unknown	3.0	Entire length	2023	Yes
Isaac Creek	WVMW-13-C	CNA-Biological	Unknown	2.8	Entire length	2023	Yes
Gregory Run	WVMW-13-D	CNA-Biological	Unknown	2.4	Entire length	2023	Yes

## 2016 Section 303(d) List

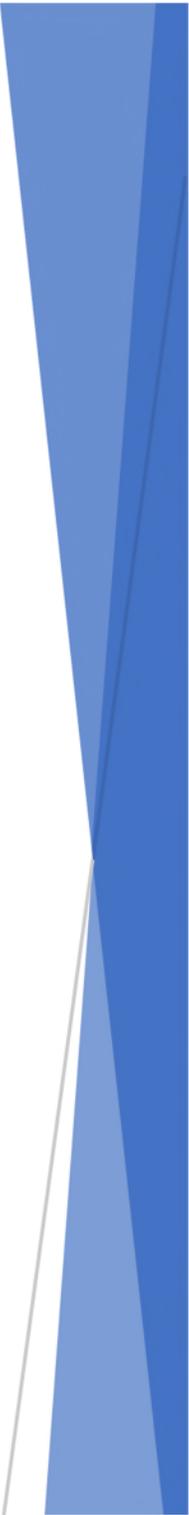
Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Katy Lick Run	WVMW-13-E	CNA-Biological	Unknown	2.8	Entire length	2023	Yes
Flag Run	WVMW-13-E.5	CNA-Biological	Unknown	0.9	Mouth to RM 0.9	2023	Yes
UNT/Tenmile Creek RM 10.82	WVMW-13-E.7	CNA-Biological	Unknown	1.2	Entire length	2023	Yes
Rockcamp Run	WVMW-13-F	CNA-Biological	Unknown	6.8	Entire length	2023	Yes
UNT/Tenmile Creek RM 22.53	WVMW-13-M.5	CNA-Biological	Unknown	0.4	Entire length	2023	Yes
UNT/West Fork River RM 20.42	WVMW-14.2	CNA-Biological	Unknown	0.8	Entire length	2023	Yes
Simpson Creek	WVMW-15	CNA-Biological	Unknown	28.0	Entire length	2023	Yes
UNT/Simpson Creek RM 1.23	WVMW-15-0.5A	CNA-Biological	Unknown	1.0	Entire length	2023	Yes
Jack Run	WVMW-15-A	CNA-Biological	Unknown	1.6	Entire length	2023	Yes
Smith Run	WVMW-15-B	CNA-Biological	Unknown	2.0	Entire length	2023	Yes
Barnett Run	WVMW-15-C	CNA-Biological	Unknown	2.4	Entire length	2023	Yes
Beards Run	WVMW-15-G	CNA-Biological	Unknown	2.8	Entire length	2023	Yes
Berry Run	WVMW-15-I	CNA-Biological	Unknown	3.3	Entire length	2023	Yes
Right Fork/Simpson Creek	WVMW-15-J	CNA-Biological	Unknown	3.6	Entire length	2023	Yes
UNT/Right Fork RM 0.33/Simpson Creek	WVMW-15-J-0.3	CNA-Biological	Unknown	0.3	Entire length	2023	Yes
Buck Run	WVMW-15-J-1	CNA-Biological	Unknown	2.7	Entire length	2023	Yes
Sand Lick Run	WVMW-15-J-2	CNA-Biological	Unknown	3.2	Entire length	2023	Yes
Gabe Fork	WVMW-15-J-3	CNA-Biological	Unknown	5.5	Entire length	2023	Yes
UNT/Simpson Creek RM 21.92	WVMW-15-J.5	CNA-Biological	Unknown	1.7	Entire length	2023	Yes
Bartlett Run	WVMW-15-K	CNA-Biological	Unknown	1.8	Entire length	2023	Yes
UNT/Simpson Creek RM 22.72	WVMW-15-K.7	CNA-Biological	Unknown	0.8	Entire length	2023	Yes
West Branch/Simpson Creek	WVMW-15-L	CNA-Biological	Unknown	3.4	Entire length	2023	Yes
UNT/West Branch RM 0.63/Simpson Creek	WVMW-15-L-0.5	CNA-Biological	Unknown	0.8	Entire length	2023	Yes
Stillhouse Run	WVMW-15-L-1	CNA-Biological	Unknown	1.0	Entire length	2023	Yes
UNT/West Branch RM 1.57/Simpson Creek	WVMW-15-L-2	CNA-Biological	Unknown	1.0	Entire length	2023	Yes

## 2016 Section 303(d) List

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Camp Run	WVMW-15-M	CNA-Biological	Unknown	1.8	Entire length	2023	Yes
UNT/Simpson Creek RM 26.94	WVMW-15-N	CNA-Biological	Unknown	0.9	Entire length	2023	Yes
Lambert Run	WVMW-16	CNA-Biological	Unknown	4.4	Entire length	2023	Yes
UNT/Lambert Run RM 2.77	WVMW-16-B	CNA-Biological	Unknown	1.7	Entire length	2023	Yes
Jack Run	WVMW-17	CNA-Biological	Unknown	2.4	Entire length	2023	Yes
Fall Run	WVMW-18	CNA-Biological	Unknown	1.2	Entire length	2023	Yes
Crooked Run	WVMW-19	CNA-Biological	Unknown	2.5	Entire length	2023	Yes
Limestone Run	WVMW-20	CNA-Biological	Unknown	6.2	Entire length	2023	Yes
Stone Coal Run	WVMW-20-A	CNA-Biological	Unknown	1.6	Entire length	2023	Yes
Simpson Fork	WVMW-20-B	CNA-Biological	Unknown	1.4	Entire length	2023	Yes
Johnson Fork	WVMW-20-C	CNA-Biological	Unknown	1.5	Entire length	2023	Yes
Elk Creek	WVMW-21	CNA-Biological	Unknown	29.0	Entire length	2023	Yes
Murphy Run	WVMW-21-A	CNA-Biological	Unknown	2.0	Entire length	2023	Yes
Ann Moore Run	WVMW-21-B	CNA-Biological	Unknown	0.8	Entire length	2023	Yes
Nutter Run	WVMW-21-D	CNA-Biological	Unknown	1.4	Entire length	2023	Yes
Turkey Run	WVMW-21-E	CNA-Biological	Unknown	1.7	Entire length	2023	Yes
Hooppole Run	WVMW-21-F	CNA-Biological	Unknown	1.4	Entire length	2023	Yes
Brushy Fork	WVMW-21-G	CNA-Biological	Unknown	14.0	Entire length	2023	Yes
Coplin Run	WVMW-21-G-1	CNA-Biological	Unknown	1.8	Entire length	2023	Yes
Glade Run	WVMW-21-G-2	CNA-Biological	Unknown	1.3	Entire length	2023	Yes
Stonecoal Run	WVMW-21-G-3	CNA-Biological	Unknown	2.0	Entire length	2023	Yes
Gnatty Creek	WVMW-21-M	CNA-Biological	Unknown	8.9	Entire length	2023	Yes
Rooting Creek	WVMW-21-M-1	CNA-Biological	Unknown	8.4	Entire length	2023	Yes
Right Branch/Gnatty Creek	WVMW-21-M-5	CNA-Biological	Unknown	2.7	Entire length	2023	Yes
Charity Fork	WVMW-21-M-5-A	CNA-Biological	Unknown	1.9	Entire length	2023	Yes
Left Branch/Gnatty Creek	WVMW-21-M-6	CNA-Biological	Unknown	2.4	Entire length	2023	Yes
Stouts Run	WVMW-21-N	CNA-Biological	Unknown	2.6	Entire length	2023	Yes
Birds Run	WVMW-21-O	CNA-Biological	Unknown	1.8	Entire length	2023	Yes

## 2016 Section 303(d) List

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Arnold Run	WVMW-21-P	CNA-Biological	Unknown	2.8	Entire length	2023	Yes
Isaacs Run	WVMW-21-Q	CNA-Biological	Unknown	2.0	Entire length	2023	Yes
Stewart Run	WVMW-21-S	CNA-Biological	Unknown	3.6	Entire length	2023	Yes
UNT/Elk Creek RM 27.87	WVMW-21-T.7	CNA-Biological	Unknown	1.4	Entire length	2023	Yes
Davisson Run	WVMW-22	CNA-Biological	Unknown	4.8	Entire length	2023	Yes
Washburncamp Run	WVMW-22-A	CNA-Biological	Unknown	1.2	Entire length	2023	Yes
Browns Creek	WVMW-23	CNA-Biological	Unknown	5.0	Entire length	2023	Yes
Coburns Creek	WVMW-24	CNA-Biological	Unknown	3.2	Entire length	2023	Yes
Sycamore Creek	WVMW-25	CNA-Biological	Unknown	5.7	Entire length	2023	Yes
UNT/Sycamore Creek RM 3.04	WVMW-25-F	CNA-Biological	Unknown	2.8	Entire length	2023	Yes
Lost Creek	WVMW-26	CNA-Biological	Unknown	11.4	Entire length	2023	Yes
UNT/Lost Creek RM 3.32	WVMW-26-0.5A	CNA-Biological	Unknown	1.0	Entire length	2023	Yes
Bonds Run	WVMW-26-A	CNA-Biological	Unknown	1.4	Entire length	2023	Yes
UNT/Lost Creek RM 8.62	WVMW-26-F	CNA-Biological	Unknown	1.3	Entire length	2028	No
Buffalo Creek	WVMW-27	CNA-Biological	Unknown	4.7	Entire length	2023	Yes
Duck Creek	WVMW-28	CNA-Biological	Unknown	4.0	Entire length	2023	Yes
Two Lick Creek	WVMW-30	CNA-Biological	Unknown	3.8	Entire length	2023	Yes
Hackers Creek	WVMW-31	CNA-Biological	Unknown	25.4	Entire length	2023	Yes
McKinney Run	WVMW-31-A	CNA-Biological	Unknown	2.9	Entire length	2023	Yes
Stony Run	WVMW-31-E	CNA-Biological	Unknown	1.4	Entire length	2023	Yes
Browns Run	WVMW-32-B	CNA-Biological	Unknown	1.4	Entire length	2023	Yes
Sand Fork	WVMW-32-F	CNA-Biological	Unknown	2.4	Entire length	2023	Yes
Grass Run	WVMW-38-E	CNA-Biological	Unknown	1.4	Entire length	2023	Yes
Right Fork/Stonecoal Creek	WVMW-38-G	CNA-Biological	Unknown	8.1	Mouth to RM 1.2 (below impoundment) and Abv impoundment to RM 8.1	2023	Yes
Washburn Run	WVMW-45	CNA-Biological	Unknown	2.4	Entire length	2023	Yes



## **Supplemental Table A: Previously Listed Waters – No TMDL Developed**

Previously listed waters from the 2014 list that are not on the 2016 list are included in this supplement if a TMDL has not been developed, and these waters have been reevaluated and determined not to be impaired.

Causes for revision of the impairment status include recent water quality data demonstrating an improved water quality condition, revision to the water quality criteria associated with the previous listing, documentation that the water was previously listed in error or a modification of the listing methodology.

## Supplemental Table A - Previously Listed Waters - No TMDL Developed - 2016

Stream Name	Stream Code	Criteria	Reason for Delisting
<b>HYDROLOGIC GROUP A</b>			
<b>CHEAT WATERSHED - HUC# 05020004</b>			
Shavers Fork	WVMCS	pH	New water quality data does not support listing
Lindy Run	WVMC-60-D-2.5	pH	Listed in error
Beaver Creek	WVMC-60-D-5	CNA-Biological	New biological data does not support listing
Otter Creek	WVMC-60-F	CNA-Biological	New biological data does not support listing
Red Creek	WVMC-60-O	CNA-Biological	New biological data does not support listing
South Fork/Red Creek	WVMC-60-O-4	pH	New water quality data does not support listing
<b>SHENANDOAH (JEFFERSON) WATERSHED - HUC# 02070007</b>			
North Fork/Bullskin Run	WVS-6-A	Nitrite (trout)	New water quality data does not support listing
<b>SOUTH BRANCH POTOMAC WATERSHED - HUC# 02070001</b>			
South Fork/South Branch Potomac River	WVPSB-21	CNA-Biological	New biological data does not support listing
Dumpling Run	WVPSB-21-F	CNA-Biological	Biological data used for (previous) listing has been deemed non-comparable
Powers Hollow	WVPSB-28-0.2A	CNA-Biological	Biological data used for (previous) listing has been deemed non-comparable
<b>UPPER KANAWHA WATERSHED - HUC# 05050006</b>			
Laurel Fork	WVK-57-B	Manganese	Listed in error
UNT/Cabin Creek RM 20.70	WVK-61-Q	Selenium	Listed in error
Paint Creek	WVK-65	Iron (trout)	New water quality data does not support listing

## Supplemental Table A - Previously Listed Waters - No TMDL Developed - 2016

Stream Name	Stream Code	Criteria	Reason for Delisting
<b>HYDROLOGIC GROUP B</b>			
<b>COAL WATERSHED - HUC# 05050009</b>			
Tiny Creek	WVKC-10-E-1	CNA-Biological	New biological data does not support listing
UNT/UNT RM 0.86/James Creek RM 0.22	WVKC-10-U-7-I-1-A	CNA-Biological	New biological data does not support listing
Locust Fork	WVKC-14-B	CNA-Biological	Error found in Station location used to list.
Moccasin Hollow	WVKC-35-E-2	Selenium	New water quality data does not support listing
Horse Creek	WVKC-46-F	CNA-Biological	New biological data does not support listing
<b>ELK WATERSHED - HUC# 05050007</b>			
Big Branch	WVKE-50-B-3	CNA-Biological	New biological data does not support listing
<b>TYGART VALLEY WATERSHED - HUC# 05020001</b>			
Laurel Creek	WVMT-24	Aluminum (trout) (d)	Error found in Data used for (previous) listing; no longer considered impaired
Tenmile Creek	WVMTB-25	Manganese	The water intake has moved/changed and the 5 mile Mn Rule no longer applies
Island Run	WVMT-36	CNA-Biological	New biological data does not support listing

## Supplemental Table A - Previously Listed Waters - No TMDL Developed - 2016

Stream Name	Stream Code	Criteria	Reason for Delisting
<b>HYDROLOGIC GROUP C</b>			
<b>GAULEY WATERSHED - HUC# 05050005</b>			
UNT/Meadow Creek RM 5.37	WVKG-19-P-0.8	Iron	New water quality data does not support listing
<b>LOWER GUYANDOTTE WATERSHED - HUC# 05070102</b>			
Tango Branch	WVOGM-20-T-2	CNA-Biological	Biological data used for (previous) listing has been deemed non-comparable
Bulwark Branch	WVOG-44-K	CNA-Biological	New biological data does not support listing
<b>MIDDLE OHIO SOUTH - HUC# 05030202</b>			
Rollins Lake	WVO-32-(L1)	Chlorophyll-A	New water quality data does not support listing
Rollins Lake	WVO-32-(L1)	Phosphorus	New water quality data does not support listing
<b>POTOMAC DIRECT DRAINS WATERSHED - HUC# 02070004</b>			
Opequon Creek	WVP-4	Nitrite (trout)	New water quality data does not support listing
South Fork/Indian Run	WVP-9-G-2	pH	New water quality data does not support listing
UNT/Warm Spring Run RM 4.97	WVP-10-G	Fecal Coliform	New water quality data does not support listing
<b>TUG FORK WATERSHED - HUC# 05070201</b>			
Panther Creek	WVBST-60	CNA-Biological	New biological data does not support listing

## Supplemental Table A - Previously Listed Waters - No TMDL Developed - 2016

Stream Name	Stream Code	Criteria	Reason for Delisting
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**HYDROLOGIC GROUP D****LITTLE KANAWHA WATERSHED - HUC# 05030203**

South Fork/Hughes River	WVLKH-9	CNA-Biological	New biological data does not support listing
Indian Creek	WVLKH-9-J	CNA-Biological	New biological data does not support listing
Left Fork/Slab Creek	WVLKH-9-W-4	CNA-Biological	New biological data does not support listing
Middle Fork/South Fork/Hughes River	WVLKH-9-AA	CNA-Biological	New biological data does not support listing

**MONONGAHELA WATERSHED - HUC# 05020003**

UNT/Deckers Creek RM 18.48	WVM-8-J	Lead	New water quality data does not support listing
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**HYDROLOGIC GROUP E****CACAPON WATERSHED - HUC# 02070003**

Upper Cove Run	WVPC-24-K	CNA-Biological	New biological data does not support listing
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**TWELVEPOLE WATERSHED - HUC# 05090102**

Rubens Branch	WVO-2-H-3	CNA-Biological	Biological data used for (previous) listing has been deemed non-comparable
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**UPPER GUYANDOTTE - HUC# 05070101**

Whitman Creek	WVOG-65-B-2	Selenium	New water quality data does not support listing
UNT/Left Fork RM 1.25/Pine Creek (retire)	WVOG-65-H-3-B	Selenium	Listed in error
Paynter Branch	WVOG-76-M	Selenium	New water quality data does not support listing
UNT/Paynter Branch RM 1.86	WVOG-76-M-3	Selenium	Water quality criteria revised and new data does not support listing
Mill Branch	WVOG-131-C	CNA-Biological	New biological data does not support listing
Marsh Fork	WVOG-134-C	CNA-Biological	New biological data does not support listing
Mullens Branch	WVOG-138-E	CNA-Biological	Listed in error
Wiley Spring Branch	WVOG-137-C	CNA-Biological	New biological data does not support listing

## **Supplemental Table B - Previously Listed Waters - TMDL Developed**

TMDLs have been developed for many previously listed waters. TMDL development allows the removal of an impaired water from the 303(d) list. In the suggested format of the Integrated Report, such waters are to be classified in Category 4A and clearly distinguished from Category 5 and the 303(d) list. Waters included in Category 4A have TMDLs developed, but water quality improvements are not yet complete and/or documented. The waters identified in Supplement B will match those of Category 4A of the Integrated Report.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>HYDROLOGIC GROUP A</b>			
<b>CHEAT WATERSHED - HUC# 05020004</b>			
Cheat River	WVMC	Iron	2011
UNT/Cheat River RM 1.85	WVMC-0.1	Aluminum (d)	2011
UNT/Cheat River RM 1.85	WVMC-0.1	Iron	2011
UNT/Cheat River RM 1.85	WVMC-0.1	pH	2011
UNT/Cheat River RM 4.07	WVMC-0.5	Aluminum (d)	2011
UNT/Cheat River RM 4.07	WVMC-0.5	Iron	2011
UNT/Cheat River RM 4.07	WVMC-0.5	pH	2011
UNT/Cheat River RM 7.70	WVMC-2.3	Aluminum (d)	2011
UNT/Cheat River RM 7.70	WVMC-2.3	Iron	2011
UNT/Cheat River RM 7.70	WVMC-2.3	pH	2011
UNT/Cheat River RM 8.39	WVMC-2.4	Aluminum (d)	2011
UNT/Cheat River RM 8.39	WVMC-2.4	Iron	2011
UNT/Cheat River RM 8.39	WVMC-2.4	pH	2011
Coles Run	WVMC-2.5	CNA-Biological	2011
Coles Run	WVMC-2.5	Fecal Coliform	2011
Coles Run	WVMC-2.5	Iron	2011
Birch Hollow	WVMC-2.5-A	Fecal Coliform	2011
Kelly Run	WVMC-2.7	CNA-Biological	2011
Kelly Run	WVMC-2.7	Fecal Coliform	2011
Kelly Run	WVMC-2.7	Iron	2011
Crammeys Run	WVMC-3	Fecal Coliform	2011
Crammeys Run	WVMC-3	Iron	2011

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Whites Run	WVMC-4	CNA-Biological	2011
Whites Run	WVMC-4	Fecal Coliform	2011
Whites Run	WVMC-4	Iron	2011
Maple Run	WVMC-5	Aluminum (d)	2011
Maple Run	WVMC-5	pH	2011
Bull Run	WVMC-11	Aluminum (d)	2011
Bull Run	WVMC-11	CNA-Biological	2011
Bull Run	WVMC-11	Iron	2011
Bull Run	WVMC-11	pH	2011
UNT/Bull Run RM 1.64	WVMC-11-0.1A	Aluminum (d)	2011
UNT/Bull Run RM 1.64	WVMC-11-0.1A	pH	2011
UNT/Bull Run RM 1.64	WVMC-11-0.1A	Iron	2011
Middle Run	WVMC-11-A	Aluminum (d)	2011
Middle Run	WVMC-11-A	Iron	2011
Middle Run	WVMC-11-A	pH	2011
Mountain Run	WVMC-11-B	Aluminum (d)	2011
Mountain Run	WVMC-11-B	pH	2011
Mountain Run	WVMC-11-B	Iron	2011
Lick Run	WVMC-11-B-1	Aluminum (d)	2011
Lick Run	WVMC-11-B-1	Iron	2011
Lick Run	WVMC-11-B-1	pH	2011
UNT/Bull Run RM 3.73	WVMC-11-C	Aluminum (d)	2011
UNT/Bull Run RM 3.73	WVMC-11-C	Iron	2011
UNT/Bull Run RM 3.73	WVMC-11-C	pH	2011
Left Fork Bull Run	WVMC-11-D	pH	2011
Left Fork Bull Run	WVMC-11-D	Aluminum (d)	2011
Left Fork Bull Run	WVMC-11-D	Iron	2011

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Right Fork Bull Run	WVMC-11-E	Aluminum (d)	2011
Right Fork Bull Run	WVMC-11-E	CNA-Biological	2011
Right Fork Bull Run	WVMC-11-E	pH	2011
Right Fork Bull Run	WVMC-11-E	Iron	2011
Big Sandy Creek	WVMC-12	CNA-Biological	2011
Big Sandy Creek	WVMC-12	Fecal Coliform	2011
Big Sandy Creek	WVMC-12	Iron	2011
Big Sandy Creek	WVMC-12	pH	2011
UNT/Big Sandy Creek RM 2.91	WVMC-12-0.2A	Aluminum (d)	2011
UNT/Big Sandy Creek RM 2.91	WVMC-12-0.2A	Iron	2011
UNT/Big Sandy Creek RM 2.91	WVMC-12-0.2A	pH	2011
Sovern Run	WVMC-12-0.5A	Aluminum (d)	2011
Sovern Run	WVMC-12-0.5A	CNA-Biological	2011
Sovern Run	WVMC-12-0.5A	Fecal Coliform	2011
Sovern Run	WVMC-12-0.5A	pH	2011
Sovern Run	WVMC-12-0.5A	Iron	2011
Parker Run	WVMC-12-0.7A	Fecal Coliform	2011
Parker Run	WVMC-12-0.7A	Iron	2011
Parker Run	WVMC-12-0.7A	pH	2011
Little Laurel Run	WVMC-12-A-1	Aluminum (trout) (d)	2011
Little Laurel Run	WVMC-12-A-1	pH	2011
Little Laurel Run	WVMC-12-A-1	Iron (trout)	2011
Little Sandy Creek	WVMC-12-B	Fecal Coliform	2011
Little Sandy Creek	WVMC-12-B	Iron (trout)	2011
Little Sandy Creek	WVMC-12-B	Aluminum (trout) (d)	2011
Little Sandy Creek	WVMC-12-B	pH	2011
Little Sandy Creek	WVMC-12-B	CNA-Biological (Surrogate) *	2011

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Webster Run	WVMC-12-B-0.5	Fecal Coliform	2011
Webster Run	WVMC-12-B-0.5	Iron	2011
Webster Run	WVMC-12-B-0.5	pH	2011
UNT/Webster Run RM 1.25	WVMC-12-B-0.5-B	Aluminum (d)	2011
UNT/Webster Run RM 1.25	WVMC-12-B-0.5-B	CNA-Biological	2011
UNT/Webster Run RM 1.25	WVMC-12-B-0.5-B	pH	2011
UNT/Webster Run RM 1.25	WVMC-12-B-0.5-B	Iron	2011
UNT/Little Sandy Creek RM 2.80	WVMC-12-B-0.6	Fecal Coliform	2011
UNT/Little Sandy Creek RM 5.04	WVMC-12-B-0.8	Fecal Coliform	2011
Beaver Creek	WVMC-12-B-1	Aluminum (trout) (d)	2011
Beaver Creek	WVMC-12-B-1	Iron (trout)	2011
Beaver Creek	WVMC-12-B-1	pH	2011
Glade Run	WVMC-12-B-1-A	Fecal Coliform	2011
Glade Run	WVMC-12-B-1-A	Aluminum (d)	2011
Glade Run	WVMC-12-B-1-A	Iron	2011
Glade Run	WVMC-12-B-1-A	pH	2011
UNT/Beaver Creek RM 1.25	WVMC-12-B-1-B	pH	2011
UNT/Beaver Creek RM 1.68	WVMC-12-B-1-C	Aluminum (d)	2011
UNT/Beaver Creek RM 1.68	WVMC-12-B-1-C	pH	2011
UNT/Beaver Creek RM 1.68	WVMC-12-B-1-C	Iron	2011
Barnes Run	WVMC-12-B-2	Fecal Coliform	2011
Barnes Run	WVMC-12-B-2	pH	2011
Hog Run	WVMC-12-B-3	Iron (trout)	2011
Hog Run	WVMC-12-B-3	Aluminum (trout) (d)	2011
Hog Run	WVMC-12-B-3	pH	2011
Elk Run	WVMC-12-B-4	pH	2011

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Piney Run	WVMC-12-B-4.5	Fecal Coliform	2011
Piney Run	WVMC-12-B-4.5	Iron (trout)	2011
Piney Run	WVMC-12-B-4.5	pH	2011
Piney Run	WVMC-12-B-4.5	Aluminum (trout) (d)	2011
Cherry Run	WVMC-12-B-5	Aluminum (trout) (d)	2011
Cherry Run	WVMC-12-B-5	Fecal Coliform	2011
Cherry Run	WVMC-12-B-5	Iron (trout)	2011
Cherry Run	WVMC-12-B-5	pH	2011
UNT/Cherry Run RM 1.96	WVMC-12-B-5-C	Iron	2011
UNT/Cherry Run RM 1.96	WVMC-12-B-5-C	pH	2011
Mill Run	WVMC-12-B-6	Aluminum (trout) (d)	2011
Mill Run	WVMC-12-B-6	Iron (trout)	2011
Mill Run	WVMC-12-B-6	pH	2011
Hazel Run	WVMC-12-C	Aluminum (trout) (d)	2011
Hazel Run	WVMC-12-C	CNA-Biological	2011
Hazel Run	WVMC-12-C	Fecal Coliform	2011
Hazel Run	WVMC-12-C	Iron (trout)	2011
Hazel Run	WVMC-12-C	pH	2011
Glade Run	WVMC-12-D	Fecal Coliform	2011
Glade Run	WVMC-12-D	Iron	2011
UNT/Big Sandy Creek RM 10.23	WVMC-12-D.4	Fecal Coliform	2011
Glade Run	WVMC-12-E	Fecal Coliform	2011
Glade Run	WVMC-12-E	Iron	2011
Conner Run	WVMC-13.5	Aluminum (d)	2011
Conner Run	WVMC-13.5	Iron	2011
Conner Run	WVMC-13.5	pH	2011

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Greens Run	WVMC-16	Aluminum (d)	2011
Greens Run	WVMC-16	CNA-Biological	2011
Greens Run	WVMC-16	Iron	2011
Greens Run	WVMC-16	pH	2011
South Fork/Greens Run	WVMC-16-A	Aluminum (d)	2011
South Fork/Greens Run	WVMC-16-A	CNA-Biological	2011
South Fork/Greens Run	WVMC-16-A	Iron	2011
South Fork/Greens Run	WVMC-16-A	pH	2011
UNT/South Fork RM 0.63/Greens Run	WVMC-16-A-1	Aluminum (d)	2011
UNT/South Fork RM 0.63/Greens Run	WVMC-16-A-1	CNA-Biological	2011
UNT/South Fork RM 0.63/Greens Run	WVMC-16-A-1	Iron	2011
UNT/South Fork RM 0.63/Greens Run	WVMC-16-A-1	pH	2011
Muddy Creek	WVMC-17	Aluminum (d)	2011
Muddy Creek	WVMC-17	Aluminum (trout) (d)	2011
Muddy Creek	WVMC-17	CNA-Biological	2011
Muddy Creek	WVMC-17	Fecal Coliform	2011
Muddy Creek	WVMC-17	Iron	2011
Muddy Creek	WVMC-17	Iron (trout)	2011
Muddy Creek	WVMC-17	pH	2011
Sypolt Run	WVMC-17-0.5A	Iron	2011
Sypolt Run	WVMC-17-0.5A	pH	2011
Crab Orchard Run	WVMC-17-0.7A	Iron	2011
Martin Creek	WVMC-17-A	Aluminum (d)	2011
Martin Creek	WVMC-17-A	CNA-Biological	2011
Martin Creek	WVMC-17-A	Iron	2011
Martin Creek	WVMC-17-A	pH	2011

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Fickey Run	WVMC-17-A-0.5	Aluminum (d)	2011
Fickey Run	WVMC-17-A-0.5	CNA-Biological	2011
Fickey Run	WVMC-17-A-0.5	Fecal Coliform	2011
Fickey Run	WVMC-17-A-0.5	Iron	2011
Fickey Run	WVMC-17-A-0.5	pH	2011
Glade Run	WVMC-17-A-1	Aluminum (d)	2011
Glade Run	WVMC-17-A-1	CNA-Biological	2011
Glade Run	WVMC-17-A-1	Iron	2011
Glade Run	WVMC-17-A-1	pH	2011
UNT/Glade Run RM 1.06	WVMC-17-A-1-A	Aluminum (d)	2011
UNT/Glade Run RM 1.06	WVMC-17-A-1-A	Iron	2011
UNT/Glade Run RM 1.06	WVMC-17-A-1-A	pH	2011
UNT/Glade Run RM 1.36	WVMC-17-A-1-B	Aluminum (d)	2011
UNT/Glade Run RM 1.36	WVMC-17-A-1-B	Iron	2011
UNT/Glade Run RM 1.36	WVMC-17-A-1-B	pH	2011
UNT/Muddy Creek RM 9.80	WVMC-17-A.8	Fecal Coliform	2011
UNT/Muddy Creek RM 9.80	WVMC-17-A.8	Iron	2011
UNT/Muddy Creek RM 9.80	WVMC-17-A.8	pH	2011
UNT/UNT RM 0.12/Muddy Creek RM 9.80	WVMC-17-A.8-1	Aluminum (d)	2011
UNT/UNT RM 0.12/Muddy Creek RM 9.80	WVMC-17-A.8-1	pH	2011
Jump Rock Run	WVMC-17-B	Aluminum (trout) (d)	2011
Jump Rock Run	WVMC-17-B	Iron (trout)	2011
Jump Rock Run	WVMC-17-B	pH	2011
Sugarcamp Run	WVMC-17-C	Aluminum (trout) (d)	2011
Sugarcamp Run	WVMC-17-C	pH	2011
Sugarcamp Run	WVMC-17-C	Iron (trout)	2011

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Roaring Creek	WVMC-18	Aluminum (trout) (d)	2011
Roaring Creek	WVMC-18	Iron (trout)	2011
Roaring Creek	WVMC-18	pH	2011
UNT/Roaring Creek RM 0.34	WVMC-18-0.1A	Fecal Coliform	2011
Lick Run	WVMC-18-A	pH	2011
Lick Run	WVMC-18-A	Aluminum (d)	2011
Little Lick Run	WVMC-18-A-1	Fecal Coliform	2011
Little Lick Run	WVMC-18-A-1	Aluminum (d)	2011
Little Lick Run	WVMC-18-A-1	pH	2011
UNT/Ragtavern Run RM 0.81	WVMC-20-A-1	Fecal Coliform	2011
Buffalo Run	WVMC-22	Aluminum (d)	2011
Buffalo Run	WVMC-22	pH	2011
Buffalo Run	WVMC-22	Iron	2011
Morgan Run	WVMC-23	Aluminum (d)	2011
Morgan Run	WVMC-23	CNA-Biological	2011
Morgan Run	WVMC-23	Iron	2011
Morgan Run	WVMC-23	pH	2011
UNT/Morgan Run RM 1.03	WVMC-23-0.2A	CNA-Biological	2011
UNT/Morgan Run RM 1.03	WVMC-23-0.2A	Fecal Coliform	2011
UNT/Morgan Run RM 1.03	WVMC-23-0.2A	Iron	2011
UNT/Morgan Run RM 1.03	WVMC-23-0.2A	Aluminum (d)	2011
UNT/Morgan Run RM 1.03	WVMC-23-0.2A	pH	2011
UNT/UNT RM 0.34/Morgan Run RM 1.03	WVMC-23-0.2A-1	Fecal Coliform	2011
UNT/UNT RM 0.34/Morgan Run RM 1.03	WVMC-23-0.2A-1	Iron	2011
Church Creek	WVMC-23-A	Aluminum (d)	2011
Church Creek	WVMC-23-A	CNA-Biological	2011
Church Creek	WVMC-23-A	Iron	2011
Church Creek	WVMC-23-A	pH	2011

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Church Creek RM 1.26	WVMC-23-A-1	Aluminum (d)	2011
UNT/Church Creek RM 1.26	WVMC-23-A-1	Iron	2011
UNT/Church Creek RM 1.26	WVMC-23-A-1	pH	2011
UNT/UNT RM 0.12/Church Creek RM 1.26	WVMC-23-A-1-A	Aluminum (d)	2011
UNT/UNT RM 0.12/Church Creek RM 1.26	WVMC-23-A-1-A	Iron	2011
UNT/UNT RM 0.12/Church Creek RM 1.26	WVMC-23-A-1-A	pH	2011
Heather Run	WVMC-24	Aluminum (d)	2011
Heather Run	WVMC-24	CNA-Biological	2011
Heather Run	WVMC-24	Iron	2011
Heather Run	WVMC-24	Manganese	2011
Heather Run	WVMC-24	pH	2011
UNT/Heather Run RM 1.47	WVMC-24-A	Fecal Coliform	2011
Lick Run	WVMC-25	Aluminum (d)	2011
Lick Run	WVMC-25	CNA-Biological	2011
Lick Run	WVMC-25	Iron	2011
Lick Run	WVMC-25	Manganese	2011
Lick Run	WVMC-25	pH	2011
UNT/Lick Run RM 1.04	WVMC-25-A	Aluminum (d)	2011
UNT/Lick Run RM 1.04	WVMC-25-A	Iron	2011
UNT/Lick Run RM 1.04	WVMC-25-A	Manganese	2011
UNT/Lick Run RM 1.04	WVMC-25-A	pH	2011
Joes Run	WVMC-26	Aluminum (d)	2011
Joes Run	WVMC-26	CNA-Biological	2011
Joes Run	WVMC-26	Manganese	2011
Joes Run	WVMC-26	pH	2011
Joes Run	WVMC-26	Iron	2011

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Pringle Run	WVMC-27	Aluminum (d)	2011
Pringle Run	WVMC-27	CNA-Biological	2011
Pringle Run	WVMC-27	Iron	2011
Pringle Run	WVMC-27	Manganese	2011
Pringle Run	WVMC-27	pH	2011
UNT/Pringle Run RM 3.17	WVMC-27-C	Aluminum (d)	2011
UNT/Pringle Run RM 3.17	WVMC-27-C	Iron	2011
UNT/Pringle Run RM 3.17	WVMC-27-C	pH	2011
UNT/Pringle Run RM 3.33	WVMC-27-D	Aluminum (d)	2011
UNT/Pringle Run RM 3.33	WVMC-27-D	Iron	2011
UNT/Pringle Run RM 3.33	WVMC-27-D	pH	2011
UNT/Pringle Run RM 3.60	WVMC-27-E	Aluminum (d)	2011
UNT/Pringle Run RM 3.60	WVMC-27-E	Iron	2011
UNT/Pringle Run RM 3.60	WVMC-27-E	pH	2011
Buckhorn Run	WVMC-31	pH	2011
Spruce Run	WVMC-32-B	Iron (trout)	2011
Bucklick Run	WVMC-32-E	Fecal Coliform	2011
Bucklick Run	WVMC-32-E	Iron (trout)	2011
Birchroot Run	WVMC-33-C	Fecal Coliform	2011
Blackwater River	WVMC-60-D	Aluminum (trout) (d)	2011
Blackwater River	WVMC-60-D	DO	2001
Blackwater River	WVMC-60-D	Iron (trout)	2011
Blackwater River	WVMC-60-D	pH	2011
Big Run	WVMC-60-D-1	pH	2011
Tub Run	WVMC-60-D-2	Aluminum (d)	2011
Tub Run	WVMC-60-D-2	pH	2011
Tub Run	WVMC-60-D-2	Iron	2011

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Finley Run	WVMC-60-D-2.7	Aluminum (d)	2011
Finley Run	WVMC-60-D-2.7	Iron	2011
Finley Run	WVMC-60-D-2.7	pH	2011
North Fork/Blackwater River	WVMC-60-D-3	Aluminum (d)	2011
North Fork/Blackwater River	WVMC-60-D-3	Iron	2011
North Fork/Blackwater River	WVMC-60-D-3	pH	2011
Long Run	WVMC-60-D-3-A	Aluminum (d)	2011
Long Run	WVMC-60-D-3-A	CNA-Biological	2011
Long Run	WVMC-60-D-3-A	Iron	2011
Long Run	WVMC-60-D-3-A	pH	2011
Middle Run	WVMC-60-D-3-B	pH	2011
Middle Run	WVMC-60-D-3-B	Aluminum (d)	2011
Middle Run	WVMC-60-D-3-B	Iron	2011
Snyder Run	WVMC-60-D-3-C	pH	2011
Sand Run	WVMC-60-D-3-E	Aluminum (trout) (d)	2011
Sand Run	WVMC-60-D-3-E	CNA-Biological	2011
Sand Run	WVMC-60-D-3-E	Fecal Coliform	2011
Sand Run	WVMC-60-D-3-E	Iron (trout)	2011
Beaver Creek	WVMC-60-D-5	pH	2011
Beaver Creek	WVMC-60-D-5	Aluminum (d)	2011
Beaver Creek	WVMC-60-D-5	Iron	2011
Hawkins Run	WVMC-60-D-5-C	Aluminum (d)	2011
Hawkins Run	WVMC-60-D-5-C	pH	2011
UNT/Beaver Creek RM 8.81	WVMC-60-D-5-E	pH	2011
UNT/Beaver Creek RM 11.36	WVMC-60-D-5-G	Aluminum (trout) (d)	2011
UNT/Beaver Creek RM 11.36	WVMC-60-D-5-G	Iron (trout)	2011
UNT/Beaver Creek RM 11.36	WVMC-60-D-5-G	pH	2011
UNT/Beaver Creek RM 11.91	WVMC-60-D-5-H	pH	2011

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>SHENANDOAH (HARDY) WATERSHED - HUC# 02070006</b>			
UNT/Capon Run RM 4.49	WVSNF-1-A	Fecal Coliform	2015
UNT/Capon Run RM 4.49	WVSNF-1-A	Iron	2015
UNT/Capon Run RM 4.49	WVSNF-1-A	CNA-Biological (Surrogate) *	2015
Crab Run	WVSNF-2	Fecal Coliform	2015
Crab Run	WVSNF-2	Iron	2015
Crab Run	WVSNF-2	CNA-Biological (Surrogate) *	2015
UNT/Crab Run RM 3.92	WVSNF-2-M	Iron	2015
UNT/Crab Run RM 3.97	WVSNF-2-N	Fecal Coliform	2015
UNT/Crab Run RM 3.97	WVSNF-2-N	Iron	2015
UNT/Crab Run RM 5.65	WVSNF-2-T	Fecal Coliform	2015
UNT/Crab Run RM 5.65	WVSNF-2-T	Iron	2015
<b>SHENANDOAH (JEFFERSON) WATERSHED - HUC# 02070007</b>			
Shenandoah River	WVS	PCBs	2001
<b>SOUTH BRANCH POTOMAC WATERSHED - HUC# 02070001</b>			
South Branch Potomac River	WVPSB	Fecal Coliform	1998
UNT/UNT RM 1.38/UNT RM 0.30/South Branch Potomac River RM 21.86	WVPSB-1.9-A-1	Fecal Coliform	2015
Buffalo Creek	WVPSB-5	Fecal Coliform	2015
Dumpling Run	WVPSB-9-B	Fecal Coliform	2015
Dumpling Run	WVPSB-9-B	Iron	2015
Anderson Run	WVPSB-18	Fecal Coliform	2015
Anderson Run	WVPSB-18	Iron	2015
Anderson Run	WVPSB-18	CNA-Biological (Surrogate)	2015

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Mudlick Run	WVPSB-18-A	Fecal Coliform	2015
Mudlick Run	WVPSB-18-A	Iron	2015
Mudlick Run	WVPSB-18-A	CNA-Biological (Surrogate) *	2015
UNT/Mudlick Run RM 2.88	WVPSB-18-A-0.8	Fecal Coliform	2015
UNT/Mudlick Run RM 2.88	WVPSB-18-A-0.8	Iron	2015
UNT/Mudlick Run RM 2.88	WVPSB-18-A-0.8	CNA-Biological (Surrogate) *	2015
UNT/UNT RM 1.62/Mudlick Run RM 2.88	WVPSB-18-A-0.8-B	Fecal Coliform	2015
UNT/UNT RM 1.62/Mudlick Run RM 2.88	WVPSB-18-A-0.8-B	CNA-Biological (Surrogate) *	2015
Turnmill Run	WVPSB-18-A-1	Fecal Coliform	2015
Turnmill Run	WVPSB-18-A-1	Iron	2015
Turnmill Run	WVPSB-18-A-1	CNA-Biological (Surrogate) *	2015
UNT/Mudlick Run RM 3.62	WVPSB-18-A-3	Iron	2015
UNT/Mudlick Run RM 3.62	WVPSB-18-A-3	CNA-Biological (Surrogate) *	2015
UNT/Mudlick Run RM 4.62	WVPSB-18-A-12	Iron	2015
UNT/Mudlick Run RM 5.61	WVPSB-18-A-15	Iron	2015
UNT/Mudlick Run RM 5.63	WVPSB-18-A-16	Iron	2015
UNT/Anderson Run RM 3.30	WVPSB-18-A.7	Iron	2015
Walnut Bottom Run	WVPSB-18-B	Fecal Coliform	2015
Walnut Bottom Run	WVPSB-18-B	Iron	2015
Walnut Bottom Run	WVPSB-18-B	CNA-Biological (Surrogate) *	2015
UNT/South Branch Potomac River RM 40.44	WVPSB-21-T	Fecal Coliform	2015
UNT/South Branch Potomac River RM 40.44	WVPSB-21-T	CNA-Biological (Surrogate)	2015
UNT/UNT RM 0.07/South Branch Potomac River RM 40.44	WVPSB-21-T-1	Iron	2015
UNT/South Branch Potomac River RM 59.19	WVPSB-21.5	Fecal Coliform	2015
UNT/South Branch Potomac River RM 59.19	WVPSB-21.5	Iron	2015
UNT/South Branch Potomac River RM 59.19	WVPSB-21.5	CNA-Biological (Surrogate)	2015

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/UNT RM 1.61/South Branch Potomac River RM 59.19	WVPSB-21.5-C	Iron	2015
UNT/UNT RM 2.27/South Branch Potomac River RM 59.19	WVPSB-21.5-E	Fecal Coliform	2015
UNT/UNT RM 2.27/South Branch Potomac River RM 59.19	WVPSB-21.5-E	Iron	2015
UNT/UNT RM 2.27/South Branch Potomac River RM 59.19	WVPSB-21.5-E	CNA-Biological (Surrogate)	2015
UNT/UNT RM 4.07/South Branch Potomac River RM 59.19	WVPSB-21.5-G	Fecal Coliform	2015
UNT/UNT RM 4.07/South Branch Potomac River RM 59.19	WVPSB-21.5-G	CNA-Biological (Surrogate) *	2015
Mill Creek	WVPSB-25	Fecal Coliform	2015
Johnson Run	WVPSB-25-A	Fecal Coliform	2015
Johnson Run	WVPSB-25-A	Iron	2015
UNT/Johnson Run RM 1.12	WVPSB-25-A-2	Iron	2015
North Mill Creek	WVPSB-25-B	Fecal Coliform	2015
North Mill Creek	WVPSB-25-B	Iron	2015
North Mill Creek	WVPSB-25-B	CNA-Biological (Surrogate) *	2015
Stony Creek	WVPSB-25-B-1	Fecal Coliform	2015
Stony Creek	WVPSB-25-B-1	Iron	2015
Brushy Run	WVPSB-25-B-2	Fecal Coliform	2015
Brushy Run	WVPSB-25-B-2	Iron	2015
UNT/Brushy Run RM 2.99	WVPSB-25-B-2-F	Iron	2015
South Mill Creek	WVPSB-25-C	Fecal Coliform	2015
UNT/South Mill Creek RM 0.24	WVPSB-25-C-0.5	Iron	2015
Kessner Run	WVPSB-25-C-7	Iron	2015
Lunice Creek	WVPSB-26	Fecal Coliform	1998

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Robinson Run	WVPSB-26-A	Fecal Coliform	2015
Robinson Run	WVPSB-26-A	Iron	2015
Robinson Run	WVPSB-26-A	CNA-Biological (Surrogate)	2015
UNT/Robinson Run RM 2.84	WVPSB-26-A-4	DO	2015
UNT/Robinson Run RM 2.84	WVPSB-26-A-4	Fecal Coliform	2015
UNT/Robinson Run RM 2.84	WVPSB-26-A-4	Iron	2015
South Fork/Lunice Creek	WVPSB-26-D	DO	2015
South Fork/Lunice Creek	WVPSB-26-D	Fecal Coliform	2015
South Fork/Lunice Creek	WVPSB-26-D	Iron (trout)	2015
South Fork/Lunice Creek	WVPSB-26-D	CNA-Biological (Surrogate)	2015
UNT/South Fork RM 0.93/Lunice Creek	WVPSB-26-D-0.2	Iron	2015
UNT/South Fork RM 1.75/Lunice Creek	WVPSB-26-D-0.3	Iron	2015
Big Star Run	WVPSB-26-D-2	Fecal Coliform	2015
Powers Hollow	WVPSB-28-0.2A	Fecal Coliform	2015
Jordan Run	WVPSB-28-A	Fecal Coliform	2015
Laurel Run/Jordan Run	WVPSB-28-A-2	Fecal Coliform	2015
Deer Run	WVPSB-35	Fecal Coliform	2015
Deer Run	WVPSB-35	Iron	2015
Deer Run	WVPSB-35	CNA-Biological (Surrogate) *	2015
UNT/Deer Run RM 5.68	WVPSB-35-F	Iron	2015

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>UPPER KANAWHA WATERSHED - HUC# 05050006</b>			
Mission Hollow (Venable Branch)	WVK-46	Fecal Coliform	2015
Chappel Hollow (Chappel Branch)	WVK-46-A	Fecal Coliform	2015
Lower Donnally Branch	WVK-48	Fecal Coliform	2015
Lower Donnally Branch	WVK-48	Iron	2015
Lower Donnally Branch	WVK-48	CNA-Biological (Surrogate)	2015
Campbells Creek	WVK-49	CNA-Biological	2005
Campbells Creek	WVK-49	Fecal Coliform	2005
Dry Branch	WVK-49-A	Aluminum (d)	2005
Dry Branch	WVK-49-A	CNA-Biological	2005
Dry Branch	WVK-49-A	Fecal Coliform	2005
Spring Fork	WVK-49-B	Aluminum (d)	2005
Spring Fork	WVK-49-B	Fecal Coliform	2005
UNT/Left Fork RM 0.12/Spring Fork	WVK-49-B-2-A	Iron	2005
Coal Fork	WVK-49-D	Fecal Coliform	2005
Pointlick Fork	WVK-49-F	Fecal Coliform	2005
Pointlick Fork	WVK-49-F	Selenium	2015
UNT/Pointlick Fork RM 2.26	WVK-49-F-4	Selenium	2015
Wash Branch	WVK-49-F.5	Fecal Coliform	2005
Cline Branch	WVK-49-G	Fecal Coliform	2005
Big Bottom Hollow	WVK-49-H	CNA-Biological	2005
Big Bottom Hollow	WVK-49-H	Fecal Coliform	2005
Big Bottom Hollow	WVK-49-H	Iron	2005
Rattlesnake Hollow	WVK-49-I	Selenium	2015
UNT/Campbells Creek RM 7.51 (Sprucepine Hollow)	WVK-49-J	Fecal Coliform	2005
Georges Creek	WVK-50	Fecal Coliform	2015
Georges Creek	WVK-50	CNA-Biological (Surrogate)	2015

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Lens Creek	WVK-53	CNA-Biological	2005
Lens Creek	WVK-53	Fecal Coliform	2005
Lens Creek	WVK-53	Iron	2005
Left Fork/Lens Creek	WVK-53-A	Fecal Coliform	2005
Left Fork/Lens Creek	WVK-53-A	Iron	2005
UNT/Left Fork RM 1.83/Lens Creek	WVK-53-A-0.4	Aluminum (d)	2005
UNT/Left Fork RM 1.83/Lens Creek	WVK-53-A-0.4	Iron	2005
UNT/Left Fork RM 1.83/Lens Creek	WVK-53-A-0.4	pH	2005
Ring Hollow	WVK-53-B	Fecal Coliform	2005
Fourmile Fork	WVK-53-C	CNA-Biological	2005
Fourmile Fork	WVK-53-C	Fecal Coliform	2005
Witcher Creek	WVK-57	Aluminum (d)	2005
Witcher Creek	WVK-57	CNA-Biological	2005
Witcher Creek	WVK-57	Fecal Coliform	2005
Witcher Creek	WVK-57	Iron	2005
Witcher Creek	WVK-57	pH	2005
Dry Branch	WVK-57-A	Aluminum (d)	2005
Dry Branch	WVK-57-A	CNA-Biological	2005
Dry Branch	WVK-57-A	Fecal Coliform	2005
Dry Branch	WVK-57-A	Iron	2005
Left Fork/Witcher Creek	WVK-57-C	Fecal Coliform	2005
Counterfeit Branch	WVK-57-D	Iron	2005
UMT/Witcher Creek RM 5.18	WVK-57-D.5	Aluminum (d)	2005
UMT/Witcher Creek RM 5.18	WVK-57-D.5	pH	2005
Fields Creek	WVK-58	Aluminum (d)	2005
Fields Creek	WVK-58	CNA-Biological	2005
Fields Creek	WVK-58	Fecal Coliform	2005
Scott Branch	WVK-58-B	Fecal Coliform	2005

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Wolfpen Hollow	WVK-58-B.1	Aluminum (d)	2005
Wolfpen Hollow	WVK-58-B.1	CNA-Biological	2005
Wolfpen Hollow	WVK-58-B.1	Fecal Coliform	2005
Wolfpen Hollow	WVK-58-B.1	Iron	2005
Wolfpen Hollow	WVK-58-B.1	pH	2005
Coopers Hollow	WVK-58-B.3	Fecal Coliform	2005
Mill Branch	WVK-58-B.8	Aluminum (d)	2005
New West Hollow	WVK-58-B.8-1	Aluminum (d)	2005
New West Hollow	WVK-58-B.8-1	Chloride	2015
New West Hollow	WVK-58-B.8-1	Iron	2005
New West Hollow	WVK-58-B.8-1	Selenium	2015
South Hollow	WVK-58-C	CNA-Biological	2005
Carroll Branch	WVK-59	Aluminum (d)	2005
Carroll Branch	WVK-59	CNA-Biological	2005
Carroll Branch	WVK-59	Iron	2005
Carroll Branch	WVK-59	pH	2005
Slaughter Creek	WVK-60	Aluminum (d)	2005
Little Creek	WVK-60-A	Aluminum (d)	2005
Little Creek	WVK-60-A	CNA-Biological	2005
Little Creek	WVK-60-A	pH	2005
UNT/Little Creek RM 0.39 (Little Branch)	WVK-60-A-1	Aluminum (d)	2005
UNT/Little Creek RM 0.39 (Little Branch)	WVK-60-A-1	pH	2005
Bradley Fork	WVK-60-B	Aluminum (d)	2005
Bradley Fork	WVK-60-B	pH	2005
UNT/Slaughter Creek RM 3.14	WVK-60-B.1	Aluminum (d)	2005
UNT/Slaughter Creek RM 3.14	WVK-60-B.1	pH	2005

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Cabin Creek	WVK-61	Aluminum (d)	2005
Cabin Creek	WVK-61	CNA-Biological	2005
Cabin Creek	WVK-61	Fecal Coliform	2005
Cabin Creek	WVK-61	Iron	2005
Cabin Creek	WVK-61	pH	2005
Dry Branch	WVK-61-B	Fecal Coliform	2005
Dry Branch	WVK-61-B	Iron	2005
UNT/Dry Branch RM 0.74 (Coalburg Branch)	WVK-61-B-1	Aluminum (d)	2005
UNT/Dry Branch RM 0.74 (Coalburg Branch)	WVK-61-B-1	CNA-Biological	2005
UNT/Dry Branch RM 0.74 (Coalburg Branch)	WVK-61-B-1	pH	2005
Wet Branch	WVK-61-C	Selenium	2015
Paint Branch	WVK-61-E	Iron	2005
Longbottom Creek	WVK-61-F	Chloride	2015
Longbottom Creek	WVK-61-F	Fecal Coliform	2005
Left Fork/Longbottom Creek	WVK-61-F-1	CNA-Biological	2005
Laurel Fork/Longbottom Creek	WVK-61-F-2	Chloride	2015
Greens Branch	WVK-61-G	Fecal Coliform	2005
Greens Branch	WVK-61-G	pH	2005
Coal Fork	WVK-61-H	Aluminum (d)	2005
Coal Fork	WVK-61-H	Chloride	2015
Coal Fork	WVK-61-H	Selenium	2015
Laurel Fork/Coal Fork	WVK-61-H-1	Aluminum (d)	2005
Laurel Fork/Coal Fork	WVK-61-H-1	CNA-Biological	2005
Laurel Fork/Coal Fork	WVK-61-H-1	Iron	2005
Laurel Fork/Coal Fork	WVK-61-H-1	Selenium	2015
Left Fork/Laurel Fork	WVK-61-H-1-A	CNA-Biological	2005
Left Fork/Laurel Fork	WVK-61-H-1-A	Selenium	2015
UNT/Left Fork RM 1.99/Laurel Fork	WVK-61-H-1-A-4	Selenium	2015

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Coal Fork RM 4.63	WVK-61-H-3	Aluminum (d)	2005
UNT/Coal Fork RM 4.63	WVK-61-H-3	Chloride	2015
UNT/Coal Fork RM 4.63	WVK-61-H-3	Iron	2005
UNT/Coal Fork RM 4.63	WVK-61-H-3	Selenium	2015
Bear Hollow	WVK-61-I	Aluminum (d)	2005
Bear Hollow	WVK-61-I	CNA-Biological	2005
Bear Hollow	WVK-61-I	Fecal Coliform	2005
Bear Hollow	WVK-61-I	pH	2005
UNT/Bear Hollow RM 0.28	WVK-61-I-1	Aluminum (d)	2005
UNT/Bear Hollow RM 0.28	WVK-61-I-1	CNA-Biological	2005
UNT/Bear Hollow RM 0.28	WVK-61-I-1	Fecal Coliform	2005
UNT/Bear Hollow RM 0.28	WVK-61-I-1	pH	2005
Cane Fork	WVK-61-J	Aluminum (d)	2005
Cane Fork	WVK-61-J	CNA-Biological	2005
Cane Fork	WVK-61-J	Iron	2005
Cane Fork	WVK-61-J	pH	2005
Toms Fork	WVK-61-K	Aluminum (d)	2005
Toms Fork	WVK-61-K	Selenium	2015
Tenmile Fork	WVK-61-L	Aluminum (d)	2005
Tenmile Fork	WVK-61-L	CNA-Biological	2005
Tenmile Fork	WVK-61-L	Iron	2005
Tenmile Fork	WVK-61-L	Selenium	2015
UNT/Tenmile Fork RM 1.22	WVK-61-L-0.5	Aluminum (d)	2005
UNT/Tenmile Fork RM 1.22	WVK-61-L-0.5	Selenium	2015
UNT/Tenmile Fork RM 3.98	WVK-61-L-4	Selenium	2015
UNT/Tenmile Fork RM 4.17	WVK-61-L-5	Iron	2005
UNT/Tenmile Fork RM 4.17	WVK-61-L-5	Selenium	2015

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Fifteenmile Fork	WVK-61-O	Aluminum (d)	2005
Fifteenmile Fork	WVK-61-O	Iron	2005
Fifteenmile Fork	WVK-61-O	pH	2005
Abbott Creek	WVK-61-O-1	Aluminum (d)	2005
Abbott Creek	WVK-61-O-1	Iron	2005
Abbott Creek	WVK-61-O-1	pH	2005
Hicks Hollow	WVK-61.5	Aluminum (d)	2005
Hicks Hollow	WVK-61.5	CNA-Biological	2005
Hicks Hollow	WVK-61.5	Iron	2005
Hicks Hollow	WVK-61.5	pH	2005
Watson Branch	WVK-62	Aluminum (d)	2005
Watson Branch	WVK-62	pH	2005
Mile Branch	WVK-63	Aluminum (d)	2005
Mile Branch	WVK-63	CNA-Biological	2005
Mile Branch	WVK-63	Fecal Coliform	2005
Mile Branch	WVK-63	Iron	2005
Kellys Creek	WVK-64	Fecal Coliform	2015
Kellys Creek	WVK-64	Iron	2015
Kellys Creek	WVK-64	CNA-Biological (Surrogate)	2015
Horsemill Branch	WVK-64-A	Fecal Coliform	2015
Horsemill Branch	WVK-64-A	Manganese	2015
Horsemill Branch	WVK-64-A	pH	2015
Horsemill Branch	WVK-64-A	Aluminum (d)	2015
Horsemill Branch	WVK-64-A	Iron	2015
Horsemill Branch	WVK-64-A	CNA-Biological (Surrogate)	2015
UNT/Horsemill Branch RM 0.50	WVK-64-A-1	Aluminum (d)	2015
UNT/Horsemill Branch RM 0.50	WVK-64-A-1	pH	2015

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Horsemill Branch RM 0.83	WVK-64-A-2	Aluminum (d)	2015
UNT/Horsemill Branch RM 0.83	WVK-64-A-2	pH	2015
UNT/Horsemill Branch RM 0.83	WVK-64-A-2	Iron	2015
UNT/Horsemill Branch RM 1.21	WVK-64-A-3	Iron	2015
UNT/Horsemill Branch RM 1.58	WVK-64-A-4	Aluminum (d)	2015
UNT/Horsemill Branch RM 1.58	WVK-64-A-4	Iron	2015
UNT/Horsemill Branch RM 1.58	WVK-64-A-4	pH	2015
Frozen Branch	WVK-64-B	Fecal Coliform	2015
Frozen Branch	WVK-64-B	Selenium	2015
Sugarcamp Branch	WVK-64-C	Manganese	2015
Sugarcamp Branch	WVK-64-C	pH	2015
UNT/Sugarcamp Branch RM 0.58	WVK-64-C-1	Iron	2015
Fourmile Fork	WVK-64-H	Iron	2015
Fivemile Fork	WVK-64-I	Iron	2015
UNT/Fivemile Fork RM 1.29	WVK-64-I-1	Iron	2015
Left Fork/Kellys Creek	WVK-64-J	Iron	2015
Slabcamp Hollow	WVK-64-J-1	Iron	2015
UNT/Left Fork RM 2.23/Kellys Creek	WVK-64-J-5	Iron	2015
UNT/UNT RM 0.51/Left Fork RM 2.23/Kellys Creek	WVK-64-J-5-A	Iron	2015
Hurricane Fork	WVK-64-K	Fecal Coliform	2015
Hurricane Fork	WVK-64-K	Selenium	2015
Hurricane Fork	WVK-64-K	Iron	2015
UNT/Hurricane Fork RM 2.11	WVK-64-K-1	Iron	2015
Rich Hollow	WVK-64-K-2	Iron	2015
Goose Hollow	WVK-64-L	Fecal Coliform	2015
Paint Creek	WVK-65	pH	2001
Jones Branch	WVK-65-C	Iron	2001

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Tenmile Fork	WVK-65-M	Iron	2001
Tenmile Fork	WVK-65-M	pH	2001
Long Branch	WVK-65-M-1	Iron	2001
Long Branch	WVK-65-M-1	pH	2001
Hickory Camp Branch	WVK-65-P	CNA-Biological	2001
Hickory Camp Branch	WVK-65-P	Iron	2001
Hickory Camp Branch	WVK-65-P	pH	2001
Cedar Creek	WVK-65-Q	Aluminum (d)	2015
Cedar Creek	WVK-65-Q	pH	2015
Cedar Creek	WVK-65-Q	CNA-Biological (Surrogate)	2015
UNT/Paint Creek RM 16.71	WVK-65-Q.3	Iron	2001
UNT/Paint Creek RM 16.71	WVK-65-Q.3	pH	2001
UMT/Paint Creek RM 17.10	WVK-65-Q.5	Iron	2001
UMT/Paint Creek RM 17.10	WVK-65-Q.5	pH	2001
Fifteenmile Creek	WVK-65-R	Iron	2001
Spring Branch	WVK-65-S	pH	2001
Skitter Creek	WVK-65-T	Iron	2001
Lykins Creek	WVK-65-W	Iron	2001
Lykins Creek	WVK-65-W	pH	2001
Mossy Creek	WVK-65-Y	Fecal Coliform	2015
Mossy Creek	WVK-65-Y	Iron	2015
Long Branch	WVK-65-Y-2	Fecal Coliform	2015
Long Branch	WVK-65-Y-2	Iron	2015
Long Branch	WVK-65-Y-2	CNA-Biological (Surrogate)	2015
Lick Fork	WVK-65-Y-3	Iron	2015
Painter Creek	WVK-65-Y-4	Iron	2015
Toney Creek	WVK-65-Y-5	Iron	2015
Packs Branch	WVK-65-DD	Iron	2001

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Big Fork	WVK-65-DD-2	Iron	2001
North Sand Branch	WVK-65-HH-1	CNA-Biological	2015
North Sand Branch	WVK-65-HH-1	Fecal Coliform	2015
North Sand Branch	WVK-65-HH-1	Iron	2015
Maple Fork	WVK-65-HH-1-A	CNA-Biological	2015
Maple Fork	WVK-65-HH-1-A	Fecal Coliform	2015
Maple Fork	WVK-65-HH-1-A	Iron	2015
UNT/Maple Fork RM 1.17	WVK-65-HH-1-A-2	Iron	2015
UNT/Maple Fork RM 1.91	WVK-65-HH-1-A-3	Iron	2015
UNT/North Sand Branch RM 2.56	WVK-65-HH-1-E	Iron	2015
Hughes Creek	WVK-66	Iron	2015
Hughes Creek	WVK-66	Selenium	2015
Martin Hollow	WVK-66-B.5	Iron	2015
Barn Hollow	WVK-66-B.6	Selenium	2015
Barn Hollow	WVK-66-B.6	Iron	2015
Graveyard Hollow	WVK-66-B.7	Selenium	2015
Graveyard Hollow	WVK-66-B.7	Iron	2015
Shadrick Fork	WVK-66-C	Iron	2015
Dry Lick Hollow	WVK-66-C-2	Iron	2015
UNT/Dry Lick Hollow RM 0.24	WVK-66-C-2-A	Iron	2015
Sixmile Hollow	WVK-66-D	Selenium	2015
Sixmile Hollow	WVK-66-D	Iron	2015
Morris Creek	WVK-70	CNA-Biological	2005
Morris Creek	WVK-70	Iron	2005
Morris Creek	WVK-70	pH	2005
Schuyler Fork	WVK-70-A	Aluminum (d)	2005
Schuyler Fork	WVK-70-A	pH	2005

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Staten Run	WVK-71	CNA-Biological	2005
Staten Run	WVK-71	Iron	2005
Smithers Creek	WVK-72	Aluminum (d)	2005
Blake Branch	WVK-72-A	Aluminum (d)	2005
Blake Branch	WVK-72-A	Fecal Coliform	2005
Fishhook Fork	WVK-72-A-1	Aluminum (d)	2005
Fishhook Fork	WVK-72-A-1	Manganese	2005
Bullpush Fork	WVK-72-B	Aluminum (d)	2005
Bullpush Fork	WVK-72-B	Selenium	2015
Bullpush Fork	WVK-72-B	Iron	2015
Burnett Hollow	WVK-72-B-2	Aluminum (d)	2005
Burnett Hollow	WVK-72-B-2	Fecal Coliform	2015
Burnett Hollow	WVK-72-B-2	Iron	2015
Riffle Hollow	WVK-72-B-4	Selenium	2015
Fourmile Fork	WVK-72-F	Selenium	2015
Armstrong Creek	WVK-73	Aluminum (d)	2005
Armstrong Creek	WVK-73	CNA-Biological	2005
Armstrong Creek	WVK-73	pH	2005
Tucker Hollow	WVK-73-A	Aluminum (d)	2005
Tucker Hollow	WVK-73-A	pH	2005
Jenkins Fork	WVK-73-D	Aluminum (d)	2005
Jenkins Fork	WVK-73-D	CNA-Biological	2005
Jenkins Fork	WVK-73-D	pH	2005
Craig Hollow	WVK-73-D-1	Aluminum (d)	2005
Craig Hollow	WVK-73-D-1	pH	2005
Powellton Fork	WVK-73-E	Aluminum (d)	2005
Powellton Fork	WVK-73-E	Iron	2005
Laurel Branch/Powellton Fork	WVK-73-E-1	Iron	2005

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Woodrum Branch	WVK-73-E-2	Iron	2005
Right Fork/Armstrong Creek	WVK-73-F	Aluminum (d)	2005
Right Fork/Armstrong Creek	WVK-73-F	pH	2005
Boomer Branch	WVK-74	Aluminum (d)	2005
Boomer Branch	WVK-74	CNA-Biological	2005
Jarrett Branch	WVK-75	Aluminum (d)	2005
Jarrett Branch	WVK-75	CNA-Biological	2005
Jarrett Branch	WVK-75	Iron	2005
Jarrett Branch	WVK-75	Manganese	2005
Jarrett Branch	WVK-75	pH	2005
UNT/Jarrett Branch RM 1.21	WVK-75-A	Aluminum (d)	2005
UNT/Jarrett Branch RM 1.21	WVK-75-A	Manganese	2005
UNT/Jarrett Branch RM 1.21	WVK-75-A	pH	2005
Loop Creek	WVK-76	Fecal Coliform	2005
Mulberry Fork	WVK-76-C-1	Fecal Coliform	2005
Beards Fork	WVK-76-D	Aluminum (d)	2005
Ingram Branch	WVK-76-K	Aluminum (d)	2005
Ingram Branch	WVK-76-K	CNA-Biological	2005
Ingram Branch	WVK-76-K	pH	2005

**UPPER OHIO NORTH WATERSHED - HUC# 05030101**

Ohio River (Upper North)	WVO-un	PCBs	2002
Cross Creek	WVO-95	CNA-Biological	2005
Cross Creek	WVO-95	Fecal Coliform	2005
UNT/Cross Creek RM 1.81	WVO-95-0.5A	Fecal Coliform	2005
Bosley Run	WVO-95-A	CNA-Biological	2005
Bosley Run	WVO-95-A	Fecal Coliform	2005
North Potrock Run	WVO-95-C	Fecal Coliform	2005

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Potrock Run	WVO-95-D	CNA-Biological	2005
Potrock Run	WVO-95-D	Fecal Coliform	2005
Alleghany Steel Run	WVO-95.5	CNA-Biological	2005
Alleghany Steel Run	WVO-95.5	Fecal Coliform	2005
UMT/Alleghany Steel Run RM 1.09	WVO-95.5-A	CNA-Biological	2005
UMT/Alleghany Steel Run RM 1.09	WVO-95.5-A	Fecal Coliform	2005
Mahan Run	WVO-96	Fecal Coliform	2015
UNT/Mahan Run RM 2.04	WVO-96-A	Fecal Coliform	2015
Harmon Creek	WVO-97	CNA-Biological	2005
Harmon Creek	WVO-97	Fecal Coliform	2005
UNT/Harmon Creek RM 2.95	WVO-97-0.7A	Fecal Coliform	2005
UNT/Harmon Creek RM 3.32	WVO-97-0.9A	Fecal Coliform	2005
Sappingtons Run	WVO-97-A	CNA-Biological	2005
Sappingtons Run	WVO-97-A	Fecal Coliform	2005
Alexanders Run	WVO-97-B	CNA-Biological	2005
Alexanders Run	WVO-97-B	Fecal Coliform	2005
Alexanders Run	WVO-97-B	Iron	2005
Mechling Run	WVO-97-C	Fecal Coliform	2005
Brown Hollow	WVO-97-D	CNA-Biological	2005
Brown Hollow	WVO-97-D	Fecal Coliform	2005
Kings Creek	WVO-98	Fecal Coliform	2005
Turkeyfoot Run	WVO-98-0.5A	Fecal Coliform	2005
Rush Run	WVO-98-0.7A	CNA-Biological	2005
Rush Run	WVO-98-0.7A	Fecal Coliform	2005
North Fork/Kings Creek	WVO-98-A	Fecal Coliform	2005

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Marrow Run	WVO-98-A.5	CNA-Biological	2005
Marrow Run	WVO-98-A.5	Fecal Coliform	2005
UNT/Kings Creek RM 6.95	WVO-98-C	Fecal Coliform	2005
Holbert Run	WVO-99	Iron	2015
UNT/Holbert Run RM 1.26	WVO-99-B	Fecal Coliform	2015
Deep Gut Run	WVO-101	Aluminum (d)	2005
Deep Gut Run	WVO-101	CNA-Biological	2005
Deep Gut Run	WVO-101	Iron	2005
Deep Gut Run	WVO-101	pH	2005
Tomlinson Run Lake	WVO-102-(L1)	Sedimentation/Siltation	1998
South Fork/Tomlinson Run	WVO-102-B	CNA-Biological	2005
South Fork/Tomlinson Run	WVO-102-B	Fecal Coliform	2005
North Fork/Tomlinson Run	WVO-102-C	CNA-Biological	2005
North Fork/Tomlinson Run	WVO-102-C	Fecal Coliform	2005
Mercer Run	WVO-102-C-1	CNA-Biological	2005
Mercer Run	WVO-102-C-1	Fecal Coliform	2005
UNT/North Fork RM 4.48/Tomlinson Run	WVO-102-C-6	Fecal Coliform	2005
Muchmores Run (Laurel Hollow)	WVO-105	Fecal Coliform	2015
Muchmores Run (Laurel Hollow)	WVO-105	CNA-Biological (Surrogate)	2015
Middle Run	WVO-107	Fecal Coliform	2015
Marks Run	WVO-108	Fecal Coliform	2015
UNT/Marks Run RM 0.89	WVO-108-A	Fecal Coliform	2015

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>YOUGHIOGHENY WATERSHED - HUC# 05020006</b>			
Buffalo Run	WVMY-0.2	Fecal Coliform	2009
Buffalo Run	WVMY-0.2	pH	2009
Snowy Creek	WVMY-2	CNA-Biological	2009
Snowy Creek	WVMY-2	Fecal Coliform	2009
Snowy Creek	WVMY-2	Iron (trout)	2009
Laurel Run	WVMY-2-0.2A	Aluminum (d)	2009
Laurel Run	WVMY-2-0.2A	Iron	2009
Laurel Run	WVMY-2-0.2A	pH	2009
Little Laurel Run	WVMY-2-0.2A-1	pH	2009
North Branch/Snowy Creek	WVMY-2-A	Fecal Coliform	2009
North Branch/Snowy Creek	WVMY-2-A	Iron (trout)	2009
North Branch/Snowy Creek	WVMY-2-A	CNA-Biological (Surrogate) *	2009
Wardwell Run	WVMY-2-A-1	CNA-Biological	2009
Wardwell Run	WVMY-2-A-1	Fecal Coliform	2009
South Branch/Snowy Creek	WVMY-2-B	Fecal Coliform	2009
Rhine Creek	WVMY-4	Fecal Coliform	2009
Maple Run	WVMY-5	CNA-Biological	2009
Maple Run	WVMY-5	Fecal Coliform	2009
UNT/Maple Run RM 5.22	WVMY-5-E	Fecal Coliform	2009

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>HYDROLOGIC GROUP B</b>			
<b>COAL WATERSHED - HUC# 05050009</b>			
Coal River	WVKC	Fecal Coliform	2006
Browns Creek	WVKC-2	CNA-Biological	2006
Browns Creek	WVKC-2	Fecal Coliform	2006
Smith Creek	WVKC-4	CNA-Biological	2006
Smith Creek	WVKC-4	Fecal Coliform	2006
Martin Creek	WVKC-4-A	Fecal Coliform	2006
Little Smith Creek	WVKC-4-C	CNA-Biological	2006
Little Smith Creek	WVKC-4-C	Fecal Coliform	2006
Falls Creek	WVKC-5	Fecal Coliform	2006
Fuquay Creek	WVKC-8	Fecal Coliform	2006
Crooked Creek	WVKC-9	CNA-Biological	2006
Crooked Creek	WVKC-9	Fecal Coliform	2006
Alum Creek	WVKC-9.5	Fecal Coliform	2006
UNT/Alum Creek RM 1.53	WVKC-9.5-A	Fecal Coliform	2006
Little Alum Creek	WVKC-9.5-B	Fecal Coliform	2006
Little Coal River	WVKC-10	Fecal Coliform	2006
Cobb Creek	WVKC-10-E	Fecal Coliform	2006
Dicks Creek	WVKC-10-F	Iron	2006
Little Hewitt Creek	WVKC-10-H	pH	2006
Little Hewitt Creek	WVKC-10-H	Iron	2006
Big Horse Creek	WVKC-10-I	CNA-Biological	2006
Big Horse Creek	WVKC-10-I	Fecal Coliform	2006
Big Horse Creek	WVKC-10-I	Iron	2006

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Laurel Fork	WVKC-10-I-2	Fecal Coliform	2006
Laurel Fork	WVKC-10-I-2	Iron	2006
Peters Cave Fork	WVKC-10-I-3	Fecal Coliform	2006
Peters Cave Fork	WVKC-10-I-3	Iron	2006
Dodson Fork	WVKC-10-I-6	CNA-Biological	2006
Dodson Fork	WVKC-10-I-6	Fecal Coliform	2006
Dodson Fork	WVKC-10-I-6	Iron	2006
Rich Hollow	WVKC-10-I-8	Iron	2006
Little Horse Creek	WVKC-10-J	CNA-Biological	2006
Little Horse Creek	WVKC-10-J	Fecal Coliform	2006
Little Horse Creek	WVKC-10-J	Iron	2006
UMT/Little Horse Creek RM 2.31	WVKC-10-J-8	Fecal Coliform	2006
Camp Creek	WVKC-10-L	Fecal Coliform	2006
Rock Creek	WVKC-10-N	CNA-Biological	2006
Rock Creek	WVKC-10-N	Fecal Coliform	2006
Hubbard Fork	WVKC-10-N-2	CNA-Biological	2006
Hubbard Fork	WVKC-10-N-2	Fecal Coliform	2006
Right Fork/Rock Creek	WVKC-10-N-3	CNA-Biological	2006
Right Fork/Rock Creek	WVKC-10-N-3	Fecal Coliform	2006
Left Fork/Rock Creek	WVKC-10-N-4	CNA-Biological	2006
Left Fork/Rock Creek	WVKC-10-N-4	Fecal Coliform	2006
Lick Creek	WVKC-10-O	CNA-Biological	2006
Lick Creek	WVKC-10-O	Fecal Coliform	2006
Turtle Creek	WVKC-10-P	CNA-Biological	2006
Turtle Creek	WVKC-10-P	Fecal Coliform	2006
Spruce Fork	WVKC-10-T	Fecal Coliform	2006
Spruce Fork	WVKC-10-T	Iron	2006
Sparrow Creek	WVKC-10-T-1	Fecal Coliform	2006

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Laurel Branch	WVKC-10-T-2	Fecal Coliform	2006
Low Gap Creek	WVKC-10-T-3	Fecal Coliform	2006
Hunters Branch	WVKC-10-T-5	Aluminum (d)	2006
Hunters Branch	WVKC-10-T-5	pH	2006
Hunters Branch	WVKC-10-T-5	Iron	2006
Sixmile Creek	WVKC-10-T-7	Fecal Coliform	2006
Bias Branch	WVKC-10-T-8	CNA-Biological	2006
Bias Branch	WVKC-10-T-8	Fecal Coliform	2006
Bias Branch	WVKC-10-T-8	Iron	2006
Hewett Creek	WVKC-10-T-9	Fecal Coliform	2006
Hewett Creek	WVKC-10-T-9	Iron	2006
Meadow Fork	WVKC-10-T-9-A	Fecal Coliform	2006
Meadow Fork	WVKC-10-T-9-A	CNA-Biological (Surrogate) *	2006
Missouri Fork	WVKC-10-T-9-B	CNA-Biological	2006
Missouri Fork	WVKC-10-T-9-B	Fecal Coliform	2006
Isom Branch	WVKC-10-T-9-B.5	Fecal Coliform	2006
Craddock Fork	WVKC-10-T-9-C	Fecal Coliform	2006
Craddock Fork	WVKC-10-T-9-C	Iron	2006
Sycamore Branch	WVKC-10-T-9-C-2	Fecal Coliform	2006
Baldwin Fork	WVKC-10-T-9-D	CNA-Biological	2006
Baldwin Fork	WVKC-10-T-9-D	Fecal Coliform	2006
Baldwin Fork	WVKC-10-T-9-D	Iron	2006
Stollings Branch	WVKC-10-T-10	Fecal Coliform	2006
Spruce Laurel Fork	WVKC-10-T-11	CNA-Biological	2006
Spruce Laurel Fork	WVKC-10-T-11	Iron	2006
Sycamore Fork	WVKC-10-T-11-F	Iron	2006
Dennison Fork		Iron	2006

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Rockhouse Creek	WVKC-10-T-13	Fecal Coliform	2006
Rockhouse Creek	WVKC-10-T-13	Iron	2006
Beech Creek	WVKC-10-T-15	Selenium	2006
Beech Creek	WVKC-10-T-15	Iron	2006
Left Fork/Beech Creek	WVKC-10-T-15-A	Selenium	2006
Left Fork/Beech Creek	WVKC-10-T-15-A	Iron	2006
Seng Camp Creek	WVKC-10-T-16	Iron	2006
Trace Branch	WVKC-10-T-19	Selenium	2006
Trace Branch	WVKC-10-T-19	Iron	2006
White Oak Branch	WVKC-10-T-22	Iron	2006
Brushy Fork	WVKC-10-T-24	Iron	2006
Laurel Fork	WVKC-10-T-25	Iron	2006
Pond Fork	WVKC-10-U	CNA-Biological	2006
Pond Fork	WVKC-10-U	Fecal Coliform	2006
Pond Fork	WVKC-10-U	Iron	2006
Robinson Creek	WVKC-10-U-3	Iron	2006
Jacks Branch	WVKC-10-U-4	Iron	2006
Bull Creek	WVKC-10-U-5	Iron	2006
West Fork/Pond Fork	WVKC-10-U-7	CNA-Biological	2006
West Fork/Pond Fork	WVKC-10-U-7	Iron	2006
Whites Branch	WVKC-10-U-7-B	Fecal Coliform	2006
Whites Branch	WVKC-10-U-7-B	Iron	2006
James Creek	WVKC-10-U-7-I	Selenium	2006
James Creek	WVKC-10-U-7-I	Iron	2006
Casey Creek	WVKC-10-U-8	CNA-Biological	2006
Casey Creek	WVKC-10-U-8	Selenium	2006
Casey Creek	WVKC-10-U-8	Iron	2006

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Beaver Pond Branch	WVKC-10-U-9	Selenium	2006
Beaver Pond Branch	WVKC-10-U-9	Iron	2006
Lacey Branch	WVKC-10-U-21	Iron	2006
Big Coal River	WVKC-Big	Fecal Coliform	2006
Brier Creek	WVKC-13	Fecal Coliform	2006
Fork Creek	WVKC-14	Iron	2006
Bull Creek	WVKC-16	Iron	2006
Lick Creek	WVKC-19	CNA-Biological	2006
Lick Creek	WVKC-19	Fecal Coliform	2006
Brush Creek	WVKC-21	CNA-Biological	2006
Brush Creek	WVKC-21	Fecal Coliform	2006
Brush Creek	WVKC-21	Iron	2006
Honeycamp Fork	WVKC-21-A	Iron	2006
Ridgeview Hollow	WVKC-21-C	CNA-Biological	2006
Ridgeview Hollow	WVKC-21-C	Fecal Coliform	2006
Ridgeview Hollow	WVKC-21-C	Iron	2006
Drawdy Creek	WVKC-24	Fecal Coliform	2006
Drawdy Creek	WVKC-24	Iron	2006
Short Creek	WVKC-26	Fecal Coliform	2006
Toneys Branch	WVKC-27	Fecal Coliform	2006
Toneys Branch	WVKC-27	Iron	2006
Joes Creek	WVKC-29	Fecal Coliform	2006
Joes Creek	WVKC-29	Iron	2006
Left Fork/Joes Creek	WVKC-29-A	Fecal Coliform	2006
Laurel Creek	WVKC-31	Fecal Coliform	2006
Laurel Creek	WVKC-31	Iron	2006

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Sandlick Creek	WVKC-31-A	CNA-Biological	2006
Sandlick Creek	WVKC-31-A	Fecal Coliform	2006
Sandlick Creek	WVKC-31-A	Iron	2006
Hopkins Fork	WVKC-31-B	Fecal Coliform	2006
Hopkins Fork	WVKC-31-B	Iron (trout)	2006
Big Jarrells Creek	WVKC-31-B-2	Fecal Coliform	2006
Big Jarrells Creek	WVKC-31-B-2	Iron	2006
Logan Fork	WVKC-31-B-3	Iron	2006
Cold Fork	WVKC-31-C	pH	2006
Cold Fork	WVKC-31-C	Aluminum (d)	2006
Cold Fork	WVKC-31-C	Iron	2006
Little Laurel Creek	WVKC-31-G	Iron	2006
Mudlick Fork	WVKC-31-H	Iron	2006
Horse Branch	WVKC-32	Aluminum (d)	2006
Horse Branch	WVKC-32	pH	2006
Horse Branch	WVKC-32	Iron	2006
Haggle Branch	WVKC-33	Aluminum (d)	2006
Haggle Branch	WVKC-33	pH	2006
Haggle Branch	WVKC-33	Iron	2006
Jakes Branch	WVKC-34	Iron	2006
White Oak Creek	WVKC-35	Selenium	2006
White Oak Creek	WVKC-35	Iron	2006
Threemile Branch	WVKC-35-D	pH	2006
Threemile Branch	WVKC-35-D	Aluminum (d)	2006
Threemile Branch	WVKC-35-D	Iron	2006
Left Fork/White Oak Creek	WVKC-35-E	Selenium	2006
Left Fork/White Oak Creek	WVKC-35-E	Iron	2006

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Big Coal River RM 32.06	WVKC-35.8	Aluminum (d)	2006
UNT/Big Coal River RM 32.06	WVKC-35.8	pH	2006
UNT/Big Coal River RM 32.06	WVKC-35.8	Iron	2006
Little Elk Creek	WVKC-39	Iron	2006
Seng Creek	WVKC-42	Fecal Coliform	2006
Seng Creek	WVKC-42	Selenium	2006
Seng Creek	WVKC-42	Iron	2006
Elk Run	WVKC-43	Iron	2006
Marsh Fork	WVKC-46	Fecal Coliform	2006
Marsh Fork	WVKC-46	Iron	2006
Marsh Fork	WVKC-46	Iron (trout)	2006
Little Marsh Fork	WVKC-46-A	Iron	2006
Little Marsh Fork	WVKC-46-A	Manganese	2006
Brushy Fork	WVKC-46-A-4	Iron	2006
Ellis Creek	WVKC-46-B	Iron	2006
Hazy Creek	WVKC-46-C	Iron	2006
Stink Run	WVKC-46-E	Fecal Coliform	2006
Stink Run	WVKC-46-E	Iron	2006
Horse Creek	WVKC-46-F	Iron	2006
Peachtree Creek	WVKC-46-G	Iron	2006
Drews Creek	WVKC-46-G-1	Iron	2006
Martin Fork	WVKC-46-G-2	Aluminum (d)	2006
Martin Fork	WVKC-46-G-2	pH	2006
Martin Fork	WVKC-46-G-2	Iron	2006
Millers Fork	WVKC-46-G-3	Iron	2006
Dry Creek	WVKC-46-H	Fecal Coliform	2006
Rock Creek	WVKC-46-I	Fecal Coliform	2006
Rock Creek	WVKC-46-I	Iron	2006

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Righthand Fork/Rock Creek	WVKC-46-I-1	Fecal Coliform	2006
Flat Branch	WVKC-46-I.7	Fecal Coliform	2006
Sandlick Creek	WVKC-46-J	CNA-Biological	2006
Sandlick Creek	WVKC-46-J	Fecal Coliform	2006
Sandlick Creek	WVKC-46-J	Iron	2006
Bee Branch	WVKC-46-J-2	Aluminum (d)	2006
Bee Branch	WVKC-46-J-2	pH	2006
Right Fork/Sandlick Creek	WVKC-46-J-3	CNA-Biological	2006
Right Fork/Sandlick Creek	WVKC-46-J-3	Fecal Coliform	2006
Wingrove Branch	WVKC-46-J-4	Fecal Coliform	2006
Wingrove Branch	WVKC-46-J-4	Iron	2006
Harper Branch	WVKC-46-J-7	Iron	2006
Cove Creek	WVKC-46-K	Fecal Coliform	2006
Cove Creek	WVKC-46-K	Iron	2006
UNT/Cove Creek RM 1.22	WVKC-46-K-2	Fecal Coliform	2006
Breckenridge Creek	WVKC-46-L	Fecal Coliform	2006
UNT/Breckenridge Creek RM 3.04	WVKC-46-L-1	Fecal Coliform	2006
Spanker Branch	WVKC-46-M	Fecal Coliform	2006
Maple Meadow Creek	WVKC-46-N	CNA-Biological	2006
Maple Meadow Creek	WVKC-46-N	Fecal Coliform	2006
Maple Meadow Creek	WVKC-46-N	Iron	2006
Rockhouse Fork	WVKC-46-N-1	Fecal Coliform	2006
Rockhouse Fork	WVKC-46-N-1	Iron	2006
Claypool Hollow	WVKC-46-N.9	Fecal Coliform	2006
Dingess Branch	WVKC-46-O	Fecal Coliform	2006
Dingess Branch	WVKC-46-O	Iron	2006

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Surveyor Creek	WVKC-46-P	CNA-Biological	2006
Surveyor Creek	WVKC-46-P	Fecal Coliform	2006
Surveyor Creek	WVKC-46-P	Iron	2006
Millers Camp Branch	WVKC-46-Q	CNA-Biological	2006
Millers Camp Branch	WVKC-46-Q	Fecal Coliform	2006
Millers Camp Branch	WVKC-46-Q	Iron	2006
Clay Branch	WVKC-46-Q-0.1	Fecal Coliform	2006
Stephens Branch	WVKC-46-Q-1	Iron	2006
Shockley Branch	WVKC-46-Q-3	Iron	2006
Laurel Branch	WVKC-46-Q-4	Iron	2006
Jehu Branch	WVKC-46-Q-5	Iron	2006
Clear Fork	WVKC-47	Aluminum (trout) (d)	2006
Clear Fork	WVKC-47	CNA-Biological	2006
Clear Fork	WVKC-47	Fecal Coliform	2006
Clear Fork	WVKC-47	Iron (trout)	2006
Sycamore Creek	WVKC-47-E	Fecal Coliform	2006
Sycamore Creek	WVKC-47-E	Iron	2006
Stonecoal Branch	WVKC-47-F	Aluminum (d)	2006
Stonecoal Branch	WVKC-47-F	CNA-Biological	2006
Stonecoal Branch	WVKC-47-F	Iron	2006
Stonecoal Branch	WVKC-47-F	pH	2006
Long Branch	WVKC-47-G	Iron	2006
Dow Fork	WVKC-47-G-1	Aluminum (d)	2006
Dow Fork	WVKC-47-G-1	pH	2006
Dow Fork	WVKC-47-G-1	Iron	2006
Fulton Creek	WVKC-47-I	Iron	2006

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
White Oak Creek	WVVC-47-K	CNA-Biological	2006
White Oak Creek	WVVC-47-K	Fecal Coliform	2006
White Oak Creek	WVVC-47-K	Iron	2006
Left Fork/White Oak Creek	WVVC-47-K-1	Iron	2006
Toney Fork	WVVC-47-L	Fecal Coliform	2006
Toney Fork	WVVC-47-L	Iron	2006
Buffalo Fork	WVVC-47-L-1	Iron	2006
McDowell Branch	WVVC-47-N	Fecal Coliform	2006
McDowell Branch	WVVC-47-N	Iron	2006
Lick Run	WVVC-47-P.5	CNA-Biological	2006
Lick Run	WVVC-47-P.5	Fecal Coliform	2006
Lick Run	WVVC-47-P.5	Iron	2006

**ELK WATERSHED - HUC# 05050007**

Elk River	WVKE	Fecal Coliform	2012
Elk River	WVKE	Iron	2012
Magazine Branch	WVKE-1	Fecal Coliform	2012
Magazine Branch	WVKE-1	Iron	2012
Elk Twomile Creek	WVKE-2	Fecal Coliform	2012
Elk Twomile Creek	WVKE-2	Iron	2012
Baker Fork	WVKE-2-A	Iron	2012
Valley Grove Branch	WVKE-2-B	Fecal Coliform	2012
UNT/Elk Twomile Creek RM 6.36	WVKE-2-D	Iron	2012
Green Bottom	WVKE-2-E	CNA-Biological	2012
Green Bottom	WVKE-2-E	Fecal Coliform	2012
Newhouse Branch	WVKE-3	CNA-Biological	2012
Newhouse Branch	WVKE-3	Fecal Coliform	2012
Newhouse Branch	WVKE-3	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Coonskin Branch	WVKE-4	CNA-Biological	2012
Coonskin Branch	WVKE-4	Iron	2012
Mill Creek	WVKE-6	Iron	2012
Coopers Creek	WVKE-7	Fecal Coliform	2012
Coopers Creek	WVKE-7	Iron	2012
Little Coopers Creek	WVKE-7-0.5A	Iron	2012
Mile Fork	WVKE-7-A	Fecal Coliform	2012
Mile Fork	WVKE-7-A	Iron	2012
Halls Fork	WVKE-7-A.5	Iron	2012
Fourmile Fork	WVKE-7-C	Iron	2012
Kaufman Branch	WVKE-7-E	CNA-Biological	2012
Kaufman Branch	WVKE-7-E	Fecal Coliform	2012
Kaufman Branch	WVKE-7-E	Iron	2012
Indian Creek	WVKE-8	CNA-Biological	2012
Indian Creek	WVKE-8	Iron	2012
Little Sandy Creek	WVKE-9	CNA-Biological	2012
Little Sandy Creek	WVKE-9	Fecal Coliform	2012
Little Sandy Creek	WVKE-9	Iron	2012
Lick Branch	WVKE-9-A	Iron	2012
Wills Creek	WVKE-9-B	CNA-Biological	2012
Wills Creek	WVKE-9-B	Fecal Coliform	2012
Wills Creek	WVKE-9-B	Iron	2012
Big Fork	WVKE-9-B-1	CNA-Biological	2012
Big Fork	WVKE-9-B-1	Fecal Coliform	2012
Big Fork	WVKE-9-B-1	Iron	2012
Aarons Fork	WVKE-9-C	CNA-Biological	2012
Aarons Fork	WVKE-9-C	Fecal Coliform	2012
Aarons Fork	WVKE-9-C	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Bullskin Branch	WVKE-9-E	Fecal Coliform	2012
Bullskin Branch	WVKE-9-E	Iron	2012
Wolfpen Branch	WVKE-9-F	Fecal Coliform	2012
Ruffner Branch	WVKE-9-G	Fecal Coliform	2012
Ruffner Branch	WVKE-9-G	Iron	2012
Poca Fork	WVKE-9-I	CNA-Biological	2012
Poca Fork	WVKE-9-I	Fecal Coliform	2012
Poca Fork	WVKE-9-I	Iron	2012
Patterson Fork	WVKE-9-I-1	Fecal Coliform	2012
Patterson Fork	WVKE-9-I-1	Iron	2012
Canterbury Hollow	WVKE-9-I-1-B	Iron	2012
Jakes Run	WVKE-9-J	Fecal Coliform	2012
Jakes Run	WVKE-9-J	Iron	2012
Big Fork	WVKE-9-K	Iron	2012
Rucker Fork	WVKE-9-N	Iron	2012
Hurricane Branch	WVKE-9-P	CNA-Biological	2012
Hurricane Branch	WVKE-9-P	Fecal Coliform	2012
Hurricane Branch	WVKE-9-P	Iron	2012
Trail Branch	WVKE-9-P-1	Iron	2012
Pinch Creek	WVKE-10	Fecal Coliform	2012
Pinch Creek	WVKE-10	Iron	2012
Narrow Branch	WVKE-13	Fecal Coliform	2012
Narrow Branch	WVKE-13	Iron	2012
Blue Creek	WVKE-14	CNA-Biological	2012
Blue Creek	WVKE-14	Iron	2012
Lower Threemile Fork	WVKE-14-B	Iron	2012
Upper Threemile Fork	WVKE-14-C	Iron	2012
Laurel Fork	WVKE-14-F	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Slack Branch	WVKE-14-G	Fecal Coliform	2012
Slack Branch	WVKE-14-G	pH	2012
Slack Branch	WVKE-14-G	Aluminum (d)	2012
Slack Branch	WVKE-14-G	Iron	2012
Right Fork/Slack Branch	WVKE-14-G-1	Iron	2012
Whiteoak Fork	WVKE-14-G-2	Aluminum (d)	2012
Whiteoak Fork	WVKE-14-G-2	CNA-Biological	2012
Whiteoak Fork	WVKE-14-G-2	pH	2012
Whiteoak Fork	WVKE-14-G-2	Iron	2012
UNT/Whiteoak Fork RM 1.33	WVKE-14-G-2-B	Aluminum (d)	2012
UNT/Whiteoak Fork RM 1.33	WVKE-14-G-2-B	CNA-Biological	2012
UNT/Whiteoak Fork RM 1.33	WVKE-14-G-2-B	pH	2012
UNT/Whiteoak Fork RM 1.33	WVKE-14-G-2-B	Iron	2012
Pigeonroost Fork	WVKE-14-G-3	Iron	2012
Jims Fork	WVKE-14-G-4	Iron	2012
Sandlick Branch	WVKE-14-I	Iron	2012
Joes Hollow	WVKE-14-K	pH	2012
Joes Hollow	WVKE-14-K	Aluminum (d)	2012
Joes Hollow	WVKE-14-K	Iron	2012
Shirkey Branch	WVKE-14-L	Iron	2012
Morris Fork	WVKE-14-M	Iron	2012
Mudlick Branch	WVKE-14-M-2	Aluminum (d)	2012
Mudlick Branch	WVKE-14-M-2	CNA-Biological	2012
Mudlick Branch	WVKE-14-M-2	pH	2012
Mudlick Branch	WVKE-14-M-2	Iron	2012
Hidden Hollow	WVKE-14-M-4	Aluminum (d)	2012
Hidden Hollow	WVKE-14-M-4	pH	2012
Hidden Hollow	WVKE-14-M-4	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Fivemile Fork	WVKE-14-M-5	pH	2012
Fivemile Fork	WVKE-14-M-5	Aluminum (d)	2012
Fivemile Fork	WVKE-14-M-5	Iron	2012
Rockcamp Fork	WVKE-14-N	Iron	2012
Middle Fork/Blue Creek	WVKE-14-O	Fecal Coliform	2012
Middle Fork/Blue Creek	WVKE-14-O	Iron (trout)	2012
Turner Fork	WVKE-14-O-1	Iron	2012
Pond Fork	WVKE-14-O-2	Iron	2012
Spruce Fork	WVKE-14-T	Iron	2012
Falling Rock Creek	WVKE-19	Fecal Coliform	2012
Falling Rock Creek	WVKE-19	Iron	2012
UNT/Falling Rock Creek RM 7.04	WVKE-19-C.8	Fecal Coliform	2012
UNT/Falling Rock Creek RM 7.04	WVKE-19-C.8	Iron	2012
Johnson Fork	WVKE-19-F	Iron	2012
Horse Fork	WVKE-19-G	pH	2012
Horse Fork	WVKE-19-G	Iron	2012
Petes Fork	WVKE-19-H	Iron	2012
Jordan Creek	WVKE-20	Fecal Coliform	2012
Jordan Creek	WVKE-20	Iron	2012
Leatherwood Creek	WVKE-21	CNA-Biological	2012
Leatherwood Creek	WVKE-21	Fecal Coliform	2012
Leatherwood Creek	WVKE-21	Iron	2012
Left Fork/Leatherwood Creek	WVKE-21-B	Iron	2012
Big Sandy Creek	WVKE-23	CNA-Biological	2012
Big Sandy Creek	WVKE-23	Fecal Coliform	2012
Big Sandy Creek	WVKE-23	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Left Hand Creek	WVKE-23-D	CNA-Biological	2012
Left Hand Creek	WVKE-23-D	Fecal Coliform	2012
Left Hand Creek	WVKE-23-D	Iron	2012
Gabes Creek	WVKE-23-D-2	Iron	2012
Hurricane Creek	WVKE-23-D-3	CNA-Biological	2012
Hurricane Creek	WVKE-23-D-3	Fecal Coliform	2012
Hurricane Creek	WVKE-23-D-3	Iron	2012
Cottontree Run	WVKE-23-D-4	Fecal Coliform	2012
Cottontree Run	WVKE-23-D-4	Iron	2012
Hardcamp Run	WVKE-23-D-4-A	Iron	2012
Coleman Run	WVKE-23-D-6	Fecal Coliform	2012
Little Blue Creek	WVKE-23-F	Iron	2012
Pigeon Run	WVKE-23-J	Iron	2012
Little Pigeon Run	WVKE-23-K	Iron	2012
Left Hand Run	WVKE-23-L	Fecal Coliform	2012
Left Hand Run	WVKE-23-L	Iron	2012
Little Left Hand Run	WVKE-23-L-1	Iron	2012
Ashleycamp Run	WVKE-23-L-4	Iron	2012
Two Run	WVKE-23-M	Iron	2012
Granny Creek	WVKE-23-N	Fecal Coliform	2012
Granny Creek	WVKE-23-N	Iron	2012
Right Fork/Granny Creek	WVKE-23-N-2	Iron	2012
Dog Creek	WVKE-23-O	Iron	2012
Right Fork/Big Sandy Creek	WVKE-23-P	Iron	2012
Cookman Fork	WVKE-23-P-2	Iron	2012
Summers Fork	WVKE-23-P-2-A	Iron	2012
Middle Fork/Big Sandy Creek	WVKE-23-Q	Fecal Coliform	2012
Middle Fork/Big Sandy Creek	WVKE-23-Q	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Hollywood Run	WVKE-23-Q-0.5	Fecal Coliform	2012
Hollywood Run	WVKE-23-Q-0.5	Iron	2012
Trace Fork	WVKE-23-Q-0.5-A	Iron	2012
Left Fork/Hollywood Run	WVKE-23-Q-0.5-B	Iron	2012
Morris Creek	WVKE-26	Aluminum (d)	2012
Morris Creek	WVKE-26	Iron	2012
Morris Creek	WVKE-26	pH	2012
Left Fork/Morris Creek	WVKE-26-A	Aluminum (d)	2012
Left Fork/Morris Creek	WVKE-26-A	CNA-Biological	2012
Left Fork/Morris Creek	WVKE-26-A	pH	2012
Left Fork/Morris Creek	WVKE-26-A	Iron	2012
Queen Shoals Creek	WVKE-27	CNA-Biological	2012
Queen Shoals Creek	WVKE-27	Fecal Coliform	2012
Queen Shoals Creek	WVKE-27	Iron	2012
Left Fork/Queen Shoals Creek	WVKE-27-A	Iron	2012
Porter Creek	WVKE-30	Fecal Coliform	2012
Porter Creek	WVKE-30	Iron	2012
Porter Creek	WVKE-30	CNA-Biological (Surrogate) *	2012
UNT/Porter Creek RM 5.49	WVKE-30-L	CNA-Biological	2012
UNT/Porter Creek RM 5.49	WVKE-30-L	Fecal Coliform	2012
UNT/Porter Creek RM 5.49	WVKE-30-L	Iron	2012
Upper King Shoals Run	WVKE-32	Iron	2012
Camp Creek	WVKE-34	CNA-Biological	2012
Camp Creek	WVKE-34	Fecal Coliform	2012
Camp Creek	WVKE-34	Iron	2012
Laurel Creek	WVKE-37	Fecal Coliform	2012
Laurel Creek	WVKE-37	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Laurel Fork	WVKE-37-B	CNA-Biological	2012
Laurel Fork	WVKE-37-B	Fecal Coliform	2012
Laurel Fork	WVKE-37-B	Iron	2012
Horner Fork	WVKE-37-C	Fecal Coliform	2012
Horner Fork	WVKE-37-C	Iron	2012
Reed Fork	WVKE-37-C-1	CNA-Biological	2012
Reed Fork	WVKE-37-C-1	Fecal Coliform	2012
Reed Fork	WVKE-37-C-1	Iron	2012
Summers Fork	WVKE-37-D	CNA-Biological	2012
Summers Fork	WVKE-37-D	Fecal Coliform	2012
Summers Fork	WVKE-37-D	Iron	2012
Hansford Fork	WVKE-37-E	Iron	2012
Valley Fork	WVKE-37-F	Iron	2012
Upper Birch Run	WVKE-39	Iron	2012
Little Sycamore Creek	WVKE-40	Iron	2012
Wade Fork	WVKE-40-A	Iron	2012
Sycamore Creek	WVKE-41	Fecal Coliform	2012
Sycamore Creek	WVKE-41	Iron	2012
Adonijah Fork	WVKE-41-B	Fecal Coliform	2012
Adonijah Fork	WVKE-41-B	Iron	2012
Right Fork/Sycamore Creek	WVKE-41-C	Fecal Coliform	2012
Right Fork/Sycamore Creek	WVKE-41-C	Iron	2012
Grassy Fork	WVKE-41-C-1	CNA-Biological	2012
Grassy Fork	WVKE-41-C-1	Fecal Coliform	2012
Grassy Fork	WVKE-41-C-1	Iron	2012
Little Beechy Creek	WVKE-42	Iron	2012
Blue Knob Creek	WVKE-43	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Elk River RM 48.53	WVKE-43.5	Aluminum (d)	2012
UNT/Elk River RM 48.53	WVKE-43.5	pH	2012
UNT/Elk River RM 48.53	WVKE-43.5	Iron	2012
Middle Creek	WVKE-45	CNA-Biological	2012
Middle Creek	WVKE-45	Fecal Coliform	2012
Middle Creek	WVKE-45	Iron	2012
Lick Branch	WVKE-45-B	Fecal Coliform	2012
Lick Branch	WVKE-45-B	Iron	2012
Leatherwood Creek	WVKE-46	Fecal Coliform	2012
Leatherwood Creek	WVKE-46	Iron	2012
Leatherwood Creek	WVKE-46	Selenium	2012
Cove Hollow	WVKE-46-A	Iron	2012
Right Fork/Leatherwood Creek	WVKE-46-C	Iron	2012
Right Fork/Leatherwood Creek	WVKE-46-C	Selenium	2012
Road Fork	WVKE-46-D	Fecal Coliform	2012
Road Fork	WVKE-46-D	Iron	2012
Road Fork	WVKE-46-D	Selenium	2012
Buffalo Creek	WVKE-50	Aluminum (d)	2012
Buffalo Creek	WVKE-50	CNA-Biological	2012
Buffalo Creek	WVKE-50	Fecal Coliform	2012
Buffalo Creek	WVKE-50	Iron	2012
Buffalo Creek	WVKE-50	pH	2012
Lilly Fork	WVKE-50-B	Iron	2012
Lilly Fork	WVKE-50-B	pH	2012
Big Branch	WVKE-50-B-3	Selenium	2012
Big Branch	WVKE-50-B-3	Iron	2012
Big Branch	WVKE-50-B-3	pH	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Beech Fork	WVKE-50-B-8	pH	2012
Beech Fork	WVKE-50-B-8	Iron	2012
Sand Fork	WVKE-50-F	Iron	2012
Hickory Fork	WVKE-50-H	Fecal Coliform	2012
Hickory Fork	WVKE-50-H	Iron (trout)	2012
Dog Run	WVKE-50-H-1	Iron	2012
Wallowhole Fork	WVKE-50-H-2	Iron	2012
Rockcamp Run	WVKE-50-I	Aluminum (trout) (d)	2012
Rockcamp Run	WVKE-50-I	Fecal Coliform	2012
Rockcamp Run	WVKE-50-I	pH	2012
Rockcamp Run	WVKE-50-I	Iron (trout)	2012
Flat Fork	WVKE-50-I-1	Iron	2012
Hickory Fork	WVKE-50-I-3	Aluminum (d)	2012
Hickory Fork	WVKE-50-I-3	pH	2012
Whetstone Creek	WVKE-50-M	Iron	2012
Robinson Fork	WVKE-50-O	Iron	2012
Road Fork	WVKE-50-O-1	Iron	2012
Taylor Creek	WVKE-50-P	Aluminum (d)	2012
Taylor Creek	WVKE-50-P	CNA-Biological	2012
Taylor Creek	WVKE-50-P	pH	2012
Taylor Creek	WVKE-50-P	Iron	2012
Turkey Creek	WVKE-50-P-1	Iron	2012
Dille Run	WVKE-50-S	Aluminum (d)	2012
Dille Run	WVKE-50-S	CNA-Biological	2012
Dille Run	WVKE-50-S	pH	2012
Pheasant Run	WVKE-50-T	Aluminum (d)	2012
Pheasant Run	WVKE-50-T	Iron	2012
Pheasant Run	WVKE-50-T	pH	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Little Laurel Run	WVKE-57	Iron	2012
Big Otter Creek	WVKE-64	CNA-Biological	2012
Big Otter Creek	WVKE-64	Fecal Coliform	2012
Big Otter Creek	WVKE-64	Iron	2012
Otterlick Run	WVKE-64-B	Iron	2012
Rush Fork	WVKE-64-C	Iron	2012
Moore Fork	WVKE-64-D	Fecal Coliform	2012
Moore Fork	WVKE-64-D	Iron	2012
Wilson Fork	WVKE-64-D-1	Fecal Coliform	2012
Wilson Fork	WVKE-64-D-1	Iron	2012
Boggs Fork	WVKE-64-E	Iron	2012
Groves Creek	WVKE-69	Fecal Coliform	2012
Groves Creek	WVKE-69	Iron	2012
O'Brion Creek	WVKE-70	Fecal Coliform	2012
O'Brion Creek	WVKE-70	Iron	2012
Road Fork	WVKE-70-A	Fecal Coliform	2012
Road Fork	WVKE-70-A	Iron	2012
Duck Creek	WVKE-72	Fecal Coliform	2012
Duck Creek	WVKE-72	Iron	2012
Tate Creek	WVKE-73	Fecal Coliform	2012
Tate Creek	WVKE-73	Iron	2012
Laurel Fork	WVKE-73-A	Iron	2012
Strange Creek	WVKE-74	CNA-Biological	2012
Strange Creek	WVKE-74	Fecal Coliform	2012
Strange Creek	WVKE-74	Iron (trout)	2012
Trace Fork	WVKE-74-E	Iron	2012
Dille Run	WVKE-74-H	Fecal Coliform	2012
Dille Run	WVKE-74-H	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Birch River	WVKE-76	Fecal Coliform	2012
Birch River	WVKE-76	Iron	2012
Birch River	WVKE-76	Iron (trout)	2012
Birch River	WVKE-76	Selenium	2012
Leatherwood Run	WVKE-76-A	Iron	2012
Diatler Run	WVKE-76-B	Iron	2012
Middle Run	WVKE-76-C	Iron	2012
Long Run	WVKE-76-D	Iron	2012
Little Birch River	WVKE-76-E	Fecal Coliform	2012
Little Birch River	WVKE-76-E	Iron	2012
Polemic Run	WVKE-76-E-2	Iron	2012
Laurel Run	WVKE-76-E-3	Iron	2012
Bear Run	WVKE-76-E-4	Iron	2012
Windy Run	WVKE-76-E-5	Iron	2012
Twolick Run	WVKE-76-E-6	Fecal Coliform	2012
Twolick Run	WVKE-76-E-6	Iron	2012
Seng Run	WVKE-76-E-6-A	Iron	2012
Carpenter Fork	WVKE-76-E-7	Fecal Coliform	2012
Carpenter Fork	WVKE-76-E-7	Iron	2012
Right Fork/Little Birch River	WVKE-76-E-9	Iron	2012
Lower Mill Creek	WVKE-76-J	Iron	2012
Powell Creek	WVKE-76-L	Fecal Coliform	2012
Powell Creek	WVKE-76-L	Iron (trout)	2012
Powell Creek	WVKE-76-L	CNA-Biological (Surrogate) *	2012
Tug Fork	WVKE-76-L-5	Iron	2012
Mill Creek	WVKE-76-M	Iron	2012
Anthony Creek	WVKE-76-N	Iron	2012
Poplar Creek	WVKE-76-O	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Skyles Creek	WVKE-76-P	Iron	2012
Jacks Run	WVKE-76-W	Aluminum (trout) (d)	2012
Jacks Run	WVKE-76-W	Iron (trout)	2012
Back Fork	WVKE-76-X	Iron	2012
Meadow Fork	WVKE-76-Y	Iron	2012
Upper Mill Creek	WVKE-78	CNA-Biological	2012
Upper Mill Creek	WVKE-78	Fecal Coliform	2012
Upper Mill Creek	WVKE-78	Iron	2012
Lower Rockcamp Run	WVKE-80	Iron	2012
Rockcamp Run	WVKE-82	Iron	2012
Sugar Creek	WVKE-83	Fecal Coliform	2012
Sugar Creek	WVKE-83	Iron	2012
Little Otter Creek	WVKE-84	CNA-Biological	2012
Little Otter Creek	WVKE-84	Iron	2012
Rush Fork	WVKE-84-A	Iron	2012
Brushy Branch	WVKE-84-A-1	Iron	2012
Cutlips Fork	WVKE-84-B	Iron	2012
Bear Run	WVKE-84.5	Fecal Coliform	2012
Bear Run	WVKE-84.5	Iron	2012
Buffalo Creek	WVKE-86	Iron	2012
Granny Creek	WVKE-87	CNA-Biological	2012
Granny Creek	WVKE-87	Fecal Coliform	2012
Granny Creek	WVKE-87	Iron	2012
Brush Fork	WVKE-87-A	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Laurel Fork	WVKE-87-B	CNA-Biological	2012
Laurel Fork	WVKE-87-B	Fecal Coliform	2012
Laurel Fork	WVKE-87-B	Iron	2012
UNT/Granny Creek RM 4.16	WVKE-87-C	Fecal Coliform	2012
UNT/Granny Creek RM 4.16	WVKE-87-C	Iron	2012
Old Woman Run	WVKE-88	CNA-Biological	2012
Old Woman Run	WVKE-88	Fecal Coliform	2012
Old Woman Run	WVKE-88	Iron	2012
Buckeye Creek	WVKE-89	Iron	2012

**LOWER KANAWHA WATERSHED - HUC# 05050008**

Kanawha River (Lower)	WVK-lo	Dioxin	2000
Threemile Creek (South)	WVK-4	CNA-Biological	2012
Threemile Creek (South)	WVK-4	Fecal Coliform	2012
Threemile Creek (South)	WVK-4	Iron	2012
Threemile Creek (North)	WVK-5	Fecal Coliform	2012
Threemile Creek (North)	WVK-5	Iron	2012
UNT/Threemile Creek RM 2.61	WVK-5-B	Iron	2012
UNT/Threemile Creek RM 7.11	WVK-5-F	Iron	2012
UNT/Threemile Creek RM 8.65	WVK-5-H	Iron	2012
Fivemile Creek	WVK-6	Fecal Coliform	2012
Fivemile Creek	WVK-6	Iron	2012
Little Fivemile Creek	WVK-6-A	DO	2012
Little Fivemile Creek	WVK-6-A	Fecal Coliform	2012
Little Fivemile Creek	WVK-6-A	Iron	2012
UNT/Fivemile Creek RM 2.40	WVK-6-A.5	Iron	2012
Upper Fivemile Creek	WVK-6-B	Iron	2012
Lower Fivemile Creek	WVK-6-C	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Ninemile Creek	WVK-9	Fecal Coliform	2012
Ninemile Creek	WVK-9	Iron	2012
UNT/ Ninemile Creek RM 0.27	WVK-9-0.5A	Iron	2012
Upper Ninemile Creek	WVK-9-A	CNA-Biological	2012
Upper Ninemile Creek	WVK-9-A	Fecal Coliform	2012
Upper Ninemile Creek	WVK-9-A	Iron	2012
Lower Ninemile Creek	WVK-9-B	Iron	2012
UNT/Lower Ninemile Creek RM 2.83	WVK-9-B-2	Iron	2012
Cooper Fork	WVK-10-A	Fecal Coliform	2012
Cooper Fork	WVK-10-A	Iron	2012
UNT/Cooper Fork RM 1.41	WVK-10-A-1	Iron	2012
UNT/UNT RM 0.39/Cooper Fork RM 1.41	WVK-10-A-1-B	Iron	2012
UNT/Cooper Fork RM 3.40	WVK-10-A-6	Iron	2012
Pond Branch	WVK-11	CNA-Biological	2012
Pond Branch	WVK-11	Fecal Coliform	2012
Pond Branch	WVK-11	Iron	2012
UNT/Pond Branch RM 1.74	WVK-11-0.5A	Fecal Coliform	2012
UNT/Pond Branch RM 1.74	WVK-11-0.5A	Iron	2012
UNT/Pond Branch RM 1.88	WVK-11-0.6A	Iron	2012
Thirteenmile Creek	WVK-12	Fecal Coliform	2012
Thirteenmile Creek	WVK-12	Iron	2012
UNT/Rocky Fork RM 0.69	WVK-12-0.3A	Iron	2012
Rocky Fork	WVK-12-A	Fecal Coliform	2012
Rocky Fork	WVK-12-A	Iron	2012
Tom Allen Creek	WVK-12-B	Iron	2012
Buzzard Creek	WVK-12-D	Fecal Coliform	2012
Buzzard Creek	WVK-12-D	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Mudlick Fork	WVK-12-E	Fecal Coliform	2012
Mudlick Fork	WVK-12-E	Iron	2012
Sapsucker Run	WVK-12-E-1	Iron	2012
Beech Fork	WVK-12-E-2	Iron	2012
Bailey Branch	WVK-12-E-3	Iron	2012
Poplar Fork	WVK-12-F	CNA-Biological	2012
Poplar Fork	WVK-12-F	Fecal Coliform	2012
Poplar Fork	WVK-12-F	Iron	2012
UNT/Thirteenmile Creek RM 15.64	WVK-12-F.1	Iron	2012
UNT/Thirteenmile Creek RM 15.82	WVK-12-F.2	Iron	2012
UNT/Poplar Fork RM 4.81	WVK-12-F-6	Iron	2012
Yeager Fork	WVK-12-G	Iron	2012
Baker Branch	WVK-12-H	Iron	2012
Spruce Run	WVK-12-I	Iron	2012
Long Hollow	WVK-12-K	Iron	2012
Little Spruce Run	WVK-12-L	Iron	2012
Peppermint Creek	WVK-12-M	Iron	2012
Little Sixteenmile Creek	WVK-13	Fecal Coliform	2012
Little Sixteenmile Creek	WVK-13	Iron	2012
Shady Fork	WVK-13-A	Iron	2012
Sixteenmile Creek	WVK-14	Fecal Coliform	2012
Sixteenmile Creek	WVK-14	Iron	2012
Slaty Hollow	WVK-14-0.2A	Iron	2012
UNT/Sixteenmile Creek RM 8.16	WVK-14-A.5	Iron	2012
Eighteenmile Creek	WVK-16	Fecal Coliform	2012
Eighteenmile Creek	WVK-16	Iron	2012
Eighteenmile Creek	WVK-16	CNA-Biological (Surrogate) *	2012
UNT/Eighteenmile Creek RM 2.84	WVK-16-0.4A	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Otter Branch	WVK-16-0.5A	Iron	2012
Jakes Run	WVK-16-B	CNA-Biological	2012
Jakes Run	WVK-16-B	Fecal Coliform	2012
Jakes Run	WVK-16-B	Iron	2012
Isaacs Branch	WVK-16-C	Iron	2012
Lukes Branch	WVK-16-D	Iron	2012
Dads Branch	WVK-16-E	Iron	2012
Bear Branch	WVK-16-F	Iron	2012
Turkey Branch	WVK-16-G	Iron	2012
Left Fork/Turkey Branch	WVK-16-G-1	Iron	2012
Buffalo Branch	WVK-16-I	Iron	2012
Right Fork/Eighteenmile Creek	WVK-16-J	Fecal Coliform	2012
Right Fork/Eighteenmile Creek	WVK-16-J	Iron	2012
Slab Hollow	WVK-16-J-1	Iron	2012
Bucklick Creek	WVK-16-J-2	Iron	2012
Saltlick Creek	WVK-16-J-3	CNA-Biological	2012
Saltlick Creek	WVK-16-J-3	Fecal Coliform	2012
Saltlick Creek	WVK-16-J-3	Iron	2012
Spring Valley Branch	WVK-16-K	Iron	2012
Sulug Branch	WVK-16-L	Iron	2012
Cherry Fork	WVK-16-M	Fecal Coliform	2012
Cherry Fork	WVK-16-M	Iron	2012
Stumpy Run	WVK-16-M-1	Iron	2012
Painters Branch	WVK-16-M-2	Iron	2012
Sigman Fork	WVK-16-M-3	Iron	2012
Clendenin Creek	WVK-16-O	Iron	2012
Harris Branch	WVK-16-Q	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Buckelew Hollow	WVK-16-R	CNA-Biological	2012
Buckelew Hollow	WVK-16-R	Fecal Coliform	2012
Buckelew Hollow	WVK-16-R	Iron	2012
Cottrell Run	WVK-16-S	Fecal Coliform	2012
Cottrell Run	WVK-16-S	Iron	2012
Five and Twenty Mile Creek	WVK-19	Fecal Coliform	2012
Five and Twenty Mile Creek	WVK-19	Iron	2012
Honeycutt Run	WVK-19-A	Iron	2012
Stave Branch	WVK-19-A.5	Iron	2012
Evans Creek	WVK-19-B	Fecal Coliform	2012
Evans Creek	WVK-19-B	Iron	2012
Barnett Branch	WVK-19-B-1	Iron	2012
UNT/Evans Creek RM 1.92	WVK-19-B-4	Iron	2012
UNT/Evans Creek RM 2.30	WVK-19-B-5	Iron	2012
UNT/Five and Twenty Mile Creek RM 7.41	WVK-19-D	CNA-Biological	2012
UNT/Five and Twenty Mile Creek RM 7.41	WVK-19-D	Fecal Coliform	2012
UNT/Five and Twenty Mile Creek RM 7.41	WVK-19-D	Iron	2012
UNT/Little Buffalo Creek RM 1.17	WVK-20-A	CNA-Biological	2012
UNT/Little Buffalo Creek RM 1.17	WVK-20-A	Fecal Coliform	2012
UNT/Little Buffalo Creek RM 1.17	WVK-20-A	Iron	2012
UNT/UNT RM 0.44/Little Buffalo Creek RM 1.17	WVK-20-A-1	Iron	2012
Hurricane Creek	WVK-22	CNA-Biological	2012
Hurricane Creek	WVK-22	Fecal Coliform	2012
Hurricane Creek	WVK-22	Iron	2012
UNT/Hurricane Creek RM 1.64	WVK-22-0.5A	Iron	2012
Poplar Fork	WVK-22-B	CNA-Biological	2012
Poplar Fork	WVK-22-B	Fecal Coliform	2012
Poplar Fork	WVK-22-B	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Sugar Branch	WVK-22-B-1	Iron	2012
Cow Creek	WVK-22-B-2	CNA-Biological	2012
Cow Creek	WVK-22-B-2	Fecal Coliform	2012
Cow Creek	WVK-22-B-2	Iron	2012
UNT/Cow Creek RM 2.33	WVK-22-B-2-F	Iron	2012
UNT/Poplar Fork RM 3.78	WVK-22-B-2.4	Iron	2012
Lick Branch	WVK-22-B-2.8	Iron	2012
Long Branch	WVK-22-B-3	CNA-Biological	2012
Long Branch	WVK-22-B-3	Fecal Coliform	2012
Long Branch	WVK-22-B-3	Iron	2012
Rockstep Run	WVK-22-B-3-A	Iron	2012
UNT/Long Branch RM 1.25	WVK-22-B-3-B	Iron	2012
Crooked Creek	WVK-22-B-5	Fecal Coliform	2012
Crooked Creek	WVK-22-B-5	Iron	2012
UNT/Crooked Creek RM 0.72	WVK-22-B-5-B	CNA-Biological	2012
UNT/Crooked Creek RM 0.72	WVK-22-B-5-B	Fecal Coliform	2012
UNT/Crooked Creek RM 0.72	WVK-22-B-5-B	Iron	2012
UNT/Poplar Fork RM 9.86	WVK-22-B-6	Iron	2012
Sleepy Creek	WVK-22-C	CNA-Biological	2012
Sleepy Creek	WVK-22-C	Fecal Coliform	2012
Sleepy Creek	WVK-22-C	Iron	2012
Trace Creek	WVK-22-C-2	Fecal Coliform	2012
Trace Creek	WVK-22-C-2	Iron	2012
Mill Creek	WVK-22-F	CNA-Biological	2012
Mill Creek	WVK-22-F	Fecal Coliform	2012
Mill Creek	WVK-22-F	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Hurricane Water Supply Reservoir	WVK-22-F-(L1)	Iron	1998
Hurricane Water Supply Reservoir	WVK-22-F-(L1)	Sedimentation/Siltation	1998
Hurricane Water Supply Reservoir	WVK-22-F-(L1)	Trophic State Index	1998
Tackett Branch	WVK-22-F-1	Iron	2012
UNT/Mill Creek RM 1.02	WVK-22-F-2	Iron	2012
Trace Fork	WVK-22-G	Iron	2012
Bufs Branch	WVK-22-H	Iron	2012
Joes Branch	WVK-22-I	Iron	2012
Rider Creek	WVK-22-J	CNA-Biological	2012
Rider Creek	WVK-22-J	Fecal Coliform	2012
Rider Creek	WVK-22-J	Iron	2012
Sams Fork	WVK-22-K	Fecal Coliform	2012
Sams Fork	WVK-22-K	Iron	2012
Little Hurricane Creek	WVK-24	Fecal Coliform	2012
Little Hurricane Creek	WVK-24	Iron	2012
Little Hurricane Creek	WVK-24	CNA-Biological (Surrogate) *	2012
Long Branch	WVK-24-A	Iron	2012
UNT/Little Hurricane Creek RM 1.35	WVK-24-A.3	Iron	2012
Harmon Branch	WVK-24-B	Iron	2012
Morrison Fork	WVK-24-C	Iron	2012
Lick Run	WVK-24-D	Iron	2012
Farley Creek	WVK-27	Fecal Coliform	2012
Farley Creek	WVK-27	Iron	2012
Bills Creek	WVK-28	CNA-Biological	2012
Bills Creek	WVK-28	Fecal Coliform	2012
Bills Creek	WVK-28	Iron	2012
UNT/Bills Creek RM 0.81	WVK-28-A	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Pocatalico River	WVKP	CNA-Biological	2012
Pocatalico River	WVKP	Dioxin	2000
Pocatalico River	WVKP	Fecal Coliform	2012
Pocatalico River	WVKP	Iron	2012
Heizer Creek	WVKP-1	Iron	2006
Manila Creek	WVKP-1-A	Aluminum (d)	2006
Manila Creek	WVKP-1-A	CNA-Biological	2006
Manila Creek	WVKP-1-A	Iron	2006
Manila Creek	WVKP-1-A	pH	2006
Sulphur Hollow	WVKP-1-A-0.4	Aluminum (d)	2006
Sulphur Hollow	WVKP-1-A-0.4	Iron	2006
Sulphur Hollow	WVKP-1-A-0.4	pH	2006
UMT/Manila Creek RM 2.3	WVKP-1-A-0.48	Aluminum (d)	2006
UMT/Manila Creek RM 2.3	WVKP-1-A-0.48	Iron	2006
UMT/Manila Creek RM 2.3	WVKP-1-A-0.48	pH	2006
Washington Hollow	WVKP-1-A-0.5	Iron	2006
Alcocks Hollow	WVKP-1-A-0.6	Aluminum (d)	2006
Alcocks Hollow	WVKP-1-A-0.6	Iron	2006
Alcocks Hollow	WVKP-1-A-0.6	pH	2006
UNT/Manila Creek RM 3.14	WVKP-1-A-0.8	Iron	2006
Coal Hollow	WVKP-1-A.3	Aluminum (d)	2006
Coal Hollow	WVKP-1-A.3	pH	2006
Coal Hollow	WVKP-1-A.3	Iron	2006
UMT/Heizer Creek RM 2.3	WVKP-1-A.6	Aluminum (d)	2006
UMT/Heizer Creek RM 2.3	WVKP-1-A.6	Iron	2006
UMT/Heizer Creek RM 2.3	WVKP-1-A.6	pH	2006
Clay Bank Branch	WVKP-1.8	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Pocatalico River RM 8.52	WVKP-2.5	Aluminum (d)	2012
UNT/Pocatalico River RM 8.52	WVKP-2.5	pH	2012
Kelly Creek	WVKP-3	pH	2012
Kelly Creek	WVKP-3	Aluminum (d)	2012
Kelly Creek	WVKP-3	Iron	2012
Harmond Creek	WVKP-4	CNA-Biological	2012
Harmond Creek	WVKP-4	Fecal Coliform	2012
Harmond Creek	WVKP-4	Iron	2012
UNT/Harmond Creek RM 1.00	WVKP-4-B	Aluminum (d)	2012
UNT/Harmond Creek RM 1.00	WVKP-4-B	pH	2012
Rocky Fork	WVKP-5	CNA-Biological	2012
Rocky Fork	WVKP-5	Fecal Coliform	2012
Rocky Fork	WVKP-5	Iron	2012
Lick Branch	WVKP-5-0.5A	Iron	2012
Fisher Branch	WVKP-5-A	Fecal Coliform	2012
Fisher Branch	WVKP-5-A	Iron	2012
Wolfpen Run	WVKP-5-B	Fecal Coliform	2012
Wolfpen Run	WVKP-5-B	Iron	2012
UNT/Rocky Fork RM 4.32	WVKP-5-B.5	Fecal Coliform	2012
UNT/Rocky Fork RM 4.32	WVKP-5-B.5	Iron	2012
Howard Fork	WVKP-5-C	Fecal Coliform	2012
Howard Fork	WVKP-5-C	Iron	2012
Martin Branch	WVKP-7	Fecal Coliform	2012
Martin Branch	WVKP-7	Iron	2012
Schoolhouse Branch	WVKP-8	Fecal Coliform	2012
Schoolhouse Branch	WVKP-8	Iron	2012
Campbells Branch	WVKP-8.5	Fecal Coliform	2012
Campbells Branch	WVKP-8.5	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Kelly Creek	WVKP-9	CNA-Biological	2012
Kelly Creek	WVKP-9	Fecal Coliform	2012
Kelly Creek	WVKP-9	Iron	2012
UNT/Kelly Creek RM 0.51	WVKP-9-0.5A	Iron	2012
UNT/Kelly Creek RM 0.51	WVKP-9-0.5A	pH	2012
Spring Branch	WVKP-9-A	Fecal Coliform	2012
Spring Branch	WVKP-9-A	Iron	2012
Frog Creek	WVKP-10	Fecal Coliform	2012
Frog Creek	WVKP-10	Iron	2012
Grasslick Run	WVKP-10-C	Iron	2012
Tanner Fork	WVKP-10-D	Iron	2012
Derrick Creek	WVKP-12	Fecal Coliform	2012
Derrick Creek	WVKP-12	Iron	2012
Tupper Creek	WVKP-13	CNA-Biological	2006
Tupper Creek	WVKP-13	Fecal Coliform	2006
Tupper Creek	WVKP-13	Iron	2006
Tupper Creek	WVKP-13	pH	2006
Tupper Creek	WVKP-13	Aluminum (d)	2006
Legg Fork	WVKP-13-A	Fecal Coliform	2006
Sigman Fork	WVKP-13-A-1	Fecal Coliform	2006
Union Fork	WVKP-13-C.5	Aluminum (d)	2006
Union Fork	WVKP-13-C.5	Fecal Coliform	2006
Union Fork	WVKP-13-C.5	Iron	2006
Union Fork	WVKP-13-C.5	pH	2006
Rock Branch	WVKP-13-C.5-1	Aluminum (d)	2006
Rock Branch	WVKP-13-C.5-1	Fecal Coliform	2006
Rock Branch	WVKP-13-C.5-1	Iron	2006
Rock Branch	WVKP-13-C.5-1	pH	2006

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Pocatalico River RM 23.03	WVKP-13.1	Iron	2012
Grapevine Creek	WVKP-16	CNA-Biological	2012
Grapevine Creek	WVKP-16	Fecal Coliform	2012
Grapevine Creek	WVKP-16	Iron	2012
Right Fork/Grapevine Creek	WVKP-16-A	Fecal Coliform	2012
Right Fork/Grapevine Creek	WVKP-16-A	Iron	2012
Boardtree Run	WVKP-16-B	CNA-Biological	2012
Boardtree Run	WVKP-16-B	Fecal Coliform	2012
Boardtree Run	WVKP-16-B	Iron	2012
Pocatalico Creek	WVKP-17	CNA-Biological	2012
Pocatalico Creek	WVKP-17	Fecal Coliform	2012
Pocatalico Creek	WVKP-17	Iron	2012
Middle Fork/Pocatalico Creek	WVKP-17-B	CNA-Biological	2012
Middle Fork/Pocatalico Creek	WVKP-17-B	Fecal Coliform	2012
Middle Fork/Pocatalico Creek	WVKP-17-B	Iron	2012
Sugar Creek	WVKP-17-B-4	Iron	2012
First Creek	WVKP-17-B-5	Iron	2012
Laurel Fork	WVKP-17-B-8	Iron	2012
Allen Fork	WVKP-17-C	Fecal Coliform	2012
Allen Fork	WVKP-17-C	Iron	2012
Trace Fork	WVKP-17-C-1	Iron	2012
Dudden Fork	WVKP-17-E	Iron	2012
Dog Fork	WVKP-17-F	Iron	2012
Gays Branch	WVKP-17-J	Iron	2012
Raccoon Creek	WVKP-20	CNA-Biological	2012
Raccoon Creek	WVKP-20	Fecal Coliform	2012
Raccoon Creek	WVKP-20	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Leatherwood Creek	WVKP-22	CNA-Biological	2012
Leatherwood Creek	WVKP-22	Fecal Coliform	2012
Leatherwood Creek	WVKP-22	Iron	2012
Hicumbottom Run	WVKP-23	Iron	2012
Goose Creek	WVKP-25	Iron	2012
Camp Creek	WVKP-26	CNA-Biological	2012
Camp Creek	WVKP-26	Iron	2012
Allen Creek	WVKP-27	Iron	2012
Green Creek	WVKP-28	Iron	2012
Coleman Fork	WVKP-28-A	Fecal Coliform	2012
Coleman Fork	WVKP-28-A	Iron	2012
Left Fork/Green Creek	WVKP-28-B	Iron	2012
Rush Fork	WVKP-28-C	Iron	2012
Anderson Lick Run	WVKP-28-E	CNA-Biological	2012
Straight Creek	WVKP-29	CNA-Biological	2012
Straight Creek	WVKP-29	Iron	2012
White Oak Run	WVKP-30	Iron	2012
Red Oak Run	WVKP-31	Iron	2012
Wolf Creek	WVKP-32	Iron	2012
Flat Fork	WVKP-33	Fecal Coliform	2012
Flat Fork	WVKP-33	PCBs	2001
Flat Fork	WVKP-33	Iron	2012
Trace Fork	WVKP-33-A	Iron	2012
Higby Run	WVKP-33-B	Fecal Coliform	2012
Higby Run	WVKP-33-B	Iron	2012
Payne Hollow	WVKP-33-B-1	Iron	2012
Cox Fork	WVKP-33-E	Fecal Coliform	2012
Cox Fork	WVKP-33-E	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Wolfcamp Run	WVKP-33-E-1	Iron	2012
Coon Creek	WVKP-33-E-2	Iron	2012
Cabbage Fork	WVKP-33-G	Fecal Coliform	2012
Cabbage Fork	WVKP-33-G	Iron	2012
Wolfpen Run	WVKP-33-G-1	Iron	2012
Rock Creek	WVKP-35	Iron	2012
Big Creek	WVKP-36	Iron	2012
McKown Creek	WVKP-37	CNA-Biological	2012
McKown Creek	WVKP-37	Fecal Coliform	2012
McKown Creek	WVKP-37	Iron	2012
Left Hand Run	WVKP-37-B	Iron	2012
Johnson Creek	WVKP-38	Fecal Coliform	2012
Johnson Creek	WVKP-38	Iron	2012
Greathouse Hollow	WVKP-38-0.8A	Fecal Coliform	2012
Pad Fork	WVKP-38-B	Iron	2012
UNT/Johnson Creek RM 6.41 (Jackson Fork)	WVKP-38-D	Iron	2012
Big Lick Run	WVKP-39	Fecal Coliform	2012
Big Lick Run	WVKP-39	Iron	2012
Silcott Fork	WVKP-39-A	Fecal Coliform	2012
Silcott Fork	WVKP-39-A	Iron	2012
UNT/Silcott Fork RM 1.96	WVKP-39-A-2	Iron	2012
Bear Fork	WVKP-39-C	Iron	2012
Round Knob Run	WVKP-40	Iron	2012
Rush Creek	WVKP-41	Fecal Coliform	2012
Rush Creek	WVKP-41	Iron	2012
Slab Fork	WVKP-41-A	Iron	2012
Laurel Fork	WVKP-43	Fecal Coliform	2012
Laurel Fork	WVKP-43	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Flat Fork	WVKP-44	Iron	2012
Armour Creek	WVK-30	CNA-Biological	2012
Armour Creek	WVK-30	Dioxin	2000
Armour Creek	WVK-30	Fecal Coliform	2012
Armour Creek	WVK-30	Iron	2012
Blakes Creek	WVK-30-A	CNA-Biological	2012
Blakes Creek	WVK-30-A	Fecal Coliform	2012
Blakes Creek	WVK-30-A	Iron	2012
Ridenour Lake	WVK-30-A-(L1)	Iron	1999
Ridenour Lake	WVK-30-A-(L1)	Sedimentation/Siltation	1999
Ridenour Lake	WVK-30-A-(L1)	Trophic State Index	1999
UNT/Armour Creek RM 3.25	WVK-30-B	Iron	2012
UNT/Armour Creek RM 3.54	WVK-30-C	Iron	2012
Scary Creek	WVK-32	CNA-Biological	2012
Scary Creek	WVK-32	Fecal Coliform	2012
Scary Creek	WVK-32	Iron	2012
UNT/Scary Creek RM 0.14	WVK-32-0.1A	CNA-Biological	2012
UNT/Scary Creek RM 0.14	WVK-32-0.1A	Fecal Coliform	2012
UNT/Scary Creek RM 0.14	WVK-32-0.1A	Iron	2012
Rockstep Run	WVK-32-A	CNA-Biological	2012
Rockstep Run	WVK-32-A	Fecal Coliform	2012
Rockstep Run	WVK-32-A	Iron	2012
UNT/Rockstep Run RM 0.82	WVK-32-A-2	Iron	2012
UNT/Scary Creek RM 2.13 (Crooked Creek)	WVK-32-B	Iron	2012
UNT/UNT RM 0.33/Scary Creek RM 2.13	WVK-32-B-1	CNA-Biological	2012
UNT/UNT RM 0.33/Scary Creek RM 2.13	WVK-32-B-1	Fecal Coliform	2012
UNT/UNT RM 0.33/Scary Creek RM 2.13	WVK-32-B-1	Iron	2012
UNT/Scary Creek RM 3.84	WVK-32-E	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Gallatin Branch	WVK-33	CNA-Biological	2012
Gallatin Branch	WVK-33	Fecal Coliform	2012
Gallatin Branch	WVK-33	Iron	2012
UNT/Gallatin Branch RM 0.47	WVK-33-A	Iron	2012
Davis Creek	WVK-39	CNA-Biological	2012
Davis Creek	WVK-39	Fecal Coliform	2012
Davis Creek	WVK-39	Iron	2012
Ward Hollow	WVK-39-A	Fecal Coliform	2012
Ward Hollow	WVK-39-A	Iron	2012
Trace Fork	WVK-39-B	CNA-Biological	2012
Trace Fork	WVK-39-B	Fecal Coliform	2012
Trace Fork	WVK-39-B	Iron	2012
Mudsuck Branch	WVK-39-B-1	Iron	2012
Pot Branch	WVK-39-B-2	Iron	2012
Sugarcamp Creek	WVK-39-C	Iron	2012
Dry Branch	WVK-39-D	Iron	2012
Middle Fork/Davis Creek	WVK-39-E	Fecal Coliform	2012
Middle Fork/Davis Creek	WVK-39-E	Iron	2012
Long Branch	WVK-39-E-1	Iron	2012
Rays Branch	WVK-39-F	CNA-Biological	2012
Rays Branch	WVK-39-F	Fecal Coliform	2012
Rays Branch	WVK-39-F	Iron	2012
Kirby Hollow	WVK-39-I	Iron	2012
Coal Hollow	WVK-39-J	CNA-Biological	2012
Coal Hollow	WVK-39-J	Fecal Coliform	2012
Coal Hollow	WVK-39-J	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Cane Fork	WVK-39-L	CNA-Biological	2012
Cane Fork	WVK-39-L	Fecal Coliform	2012
Cane Fork	WVK-39-L	Iron	2012
UNT/Cane Fork RM 0.83	WVK-39-L-1	Iron	2012
Kanawha Fork	WVK-39-M	Fecal Coliform	2012
Kanawha Fork	WVK-39-M	Iron	2012
Middlelick Branch	WVK-39-M-1	Iron	2012
Hoffman Hollow	WVK-39-M-1-A	pH	2012
Twomile Creek	WVK-41	CNA-Biological	2006
Twomile Creek	WVK-41	Fecal Coliform	2006
Twomile Creek	WVK-41	Iron	2006
Woodward Branch	WVK-41-A	Fecal Coliform	2006
Pfieffer Branch	WVK-41-A-1	Fecal Coliform	2006
UNT/Woodward Branch RM 0.86	WVK-41-A-2	Fecal Coliform	2006
Chandler Branch	WVK-41-B	Fecal Coliform	2006
Sugar Creek	WVK-41-C	Fecal Coliform	2006
Left Fork/Twomile Creek	WVK-41-D	Fecal Coliform	2006
UNT/Left Fork RM 0.53/Twomile Creek	WVK-41-D-1	CNA-Biological	2006
UNT/Left Fork RM 0.53/Twomile Creek	WVK-41-D-1	Fecal Coliform	2006
Rich Fork	WVK-41-D.5	Aluminum (d)	2006
Rich Fork	WVK-41-D.5	CNA-Biological	2006
Rich Fork	WVK-41-D.5	Fecal Coliform	2006
Rich Fork	WVK-41-D.5	pH	2006
Rich Fork	WVK-41-D.5	Iron	2006
Craig Branch	WVK-41-D.5-2	CNA-Biological	2006
Right Fork/Twomile Creek	WVK-41-E	Fecal Coliform	2006

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Edens Fork	WVK-41-E-1	CNA-Biological	2006
Edens Fork	WVK-41-E-1	Fecal Coliform	2006
Sheldon Rock Branch	WVK-41-E-1-A	Fecal Coliform	2006
Holmes Branch	WVK-41-E-2	CNA-Biological	2006
Holmes Branch	WVK-41-E-2	Fecal Coliform	2006
Trace Fork	WVK-41-E-2.5	Fecal Coliform	2006
Joplin Branch	WVK-42	Fecal Coliform	2012
Joplin Branch	WVK-42	Iron	2012

**NORTH BRANCH POTOMAC WATERSHED - HUC# 02070002**

Green Spring Run	WVPNB-1	Fecal Coliform	2011
Patterson Creek	WVPNB-4	Fecal Coliform	2011
Plum Run	WVPNB-4-A	Fecal Coliform	2011
UNT/Painter Run RM 0.91	WVPNB-4-C-2	Fecal Coliform	2011
Horseshoe Creek	WVPNB-4-C.5	CNA-Biological	2011
Horseshoe Creek	WVPNB-4-C.5	Fecal Coliform	2011
Cabin Run	WVPNB-4-J	CNA-Biological	2011
Cabin Run	WVPNB-4-J	Fecal Coliform	2011
Pargut Run	WVPNB-4-J-1	CNA-Biological	2011
Pargut Run	WVPNB-4-J-1	Fecal Coliform	2011
UNT/Patterson Creek RM 16.25	WVPNB-4-J.5	CNA-Biological	2011
UNT/Patterson Creek RM 16.25	WVPNB-4-J.5	Fecal Coliform	2011
Beaver Run	WVPNB-4-N	Fecal Coliform	2011
Mill Creek	WVPNB-4-S	CNA-Biological	2011
Mill Creek	WVPNB-4-S	Fecal Coliform	2011
Elliber Run	WVPNB-4-V	Fecal Coliform	2011
Mikes Run	WVPNB-4-W	Fecal Coliform	2011
North Fork/Patterson Creek	WVPNB-4-EE	Fecal Coliform	2011

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Elklick Run	WVPNB-4-EE-13	Fecal Coliform	2011
UNT/North Fork RM 8.37/Patterson Creek	WVPNB-4-EE-14	Fecal Coliform	2011
Middle Fork/Patterson Creek	WVPNB-4-FF	CNA-Biological	2011
Middle Fork/Patterson Creek	WVPNB-4-FF	Fecal Coliform	2011
New Creek	WVPNB-7	CNA-Biological	2011
New Creek	WVPNB-7	Fecal Coliform	2011
UNT/New Creek RM 1.30	WVPNB-7-0.5A	Fecal Coliform	2011
Stony Run	WVPNB-7-A	Fecal Coliform	2011
Block Run	WVPNB-7-C	Fecal Coliform	2011
UNT/New Creek RM 4.26	WVPNB-7-C.4	CNA-Biological	2011
UNT/New Creek RM 4.26	WVPNB-7-C.4	Fecal Coliform	2011
King Run	WVPNB-7-E	Fecal Coliform	2011
Slaughterhouse Run	WVPNB-10	CNA-Biological	2006
Slaughterhouse Run	WVPNB-10	Aluminum (d)	2006
Slaughterhouse Run	WVPNB-10	Iron	2006
Montgomery Run	WVPNB-11	Aluminum (d)	2006
Montgomery Run	WVPNB-11	CNA-Biological	2006
Montgomery Run	WVPNB-11	Iron	2006
Montgomery Run	WVPNB-11	pH	2006
UNT/Montgomery Run RM 1.40	WVPNB-11-A	Aluminum (d)	2006
UNT/Montgomery Run RM 1.40	WVPNB-11-A	pH	2006
Piney Swamp Run	WVPNB-12	Aluminum (d)	2006
Piney Swamp Run	WVPNB-12	CNA-Biological	2006
Piney Swamp Run	WVPNB-12	Iron	2006
Piney Swamp Run	WVPNB-12	pH	2006
UNT/Piney Swamp Run RM 0.76	WVPNB-12-B	Aluminum (d)	2006
UNT/Piney Swamp Run RM 0.76	WVPNB-12-B	pH	2006
UNT/Piney Swamp Run RM 0.76	WVPNB-12-B	Iron	2006

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UMT/Piney Swamp Run RM 1.80	WVPNB-12-E	Aluminum (d)	2006
UMT/Piney Swamp Run RM 1.80	WVPNB-12-E	Iron	2006
UMT/Piney Swamp Run RM 1.80	WVPNB-12-E	pH	2006
UNT/Piney Swamp Run RM 2.19	WVPNB-12-F	Aluminum (d)	2006
UNT/Piney Swamp Run RM 2.19	WVPNB-12-F	Iron	2006
UNT/Piney Swamp Run RM 2.19	WVPNB-12-F	pH	2006
Abram Creek	WVPNB-16	Aluminum (d)	2006
Abram Creek	WVPNB-16	CNA-Biological	2006
Abram Creek	WVPNB-16	Iron	2006
Abram Creek	WVPNB-16	pH	2006
UNT/Abram Creek RM 1.97	WVPNB-16-0.5A	CNA-Biological	2006
Emory Creek	WVPNB-16-A	Aluminum (d)	2006
Emory Creek	WVPNB-16-A	CNA-Biological	2006
Emory Creek	WVPNB-16-A	Iron	2006
Emory Creek	WVPNB-16-A	pH	2006
UNT/Emory Creek RM 0.78	WVPNB-16-A-1	Aluminum (d)	2006
UNT/Emory Creek RM 0.78	WVPNB-16-A-1	pH	2006
Glade Run	WVPNB-16-B.5	Aluminum (d)	2006
Glade Run	WVPNB-16-B.5	Iron	2006
Glade Run	WVPNB-16-B.5	pH	2006
UNT/Glade Run RM 0.30	WVPNB-16-B.5-1	Aluminum (d)	2006
UNT/Glade Run RM 0.30	WVPNB-16-B.5-1	Iron	2006
UNT/Glade Run RM 0.30	WVPNB-16-B.5-1	pH	2006
Laurel Run	WVPNB-16-C	Aluminum (d)	2006
Laurel Run	WVPNB-16-C	pH	2006
Laurel Run	WVPNB-16-C	Iron	2006

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Abram Creek RM 13.49	WVPNB-16-C.4	Aluminum (d)	2006
UNT/Abram Creek RM 13.49	WVPNB-16-C.4	pH	2006
UNT/Abram Creek RM 13.49	WVPNB-16-C.4	Iron	2006
UMT/Abram Creek RM 15.95	WVPNB-16-C.8	Aluminum (d)	2006
UMT/Abram Creek RM 15.95	WVPNB-16-C.8	Iron	2006
UMT/Abram Creek RM 15.95	WVPNB-16-C.8	pH	2006
Little Creek	WVPNB-16-D	Aluminum (d)	2006
Little Creek	WVPNB-16-D	Iron	2006
Little Creek	WVPNB-16-D	pH	2006
Stony River	WVPNB-17	Iron	2001
Stony River	WVPNB-17	pH	2001
Laurel Run	WVPNB-17-B.5	pH	2001
Fourmile Run	WVPNB-17-C	Iron	2001
Fourmile Run	WVPNB-17-C	pH	2001
Laurel Run	WVPNB-17-D	Iron	2001
Laurel Run	WVPNB-17-D	pH	2001
Helmick Run	WVPNB-17-E	CNA-Biological (Surrogate) **	2001
Helmick Run	WVPNB-17-E	Iron	2001
Helmick Run	WVPNB-17-E	pH	2001
Little Buffalo Creek	WVPNB-19-A	Aluminum (trout) (d)	2006
Little Buffalo Creek	WVPNB-19-A	Iron (trout)	2006
Little Buffalo Creek	WVPNB-19-A	pH	2006
Elk Run	WVPNB-22-A	Iron	2006

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>TYGART VALLEY WATERSHED - HUC# 05020001</b>			
Tygart Valley River	WVMT	Fecal Coliform	2016
Tygart Valley River	WVMT	Iron	2016
Tygart Valley River	WVMT	Iron	2016
Tygart Valley River	WVMT	CNA-Biological (Surrogate)	2016
Guyses Run	WVMT-2	Iron	2016
Goose Creek	WVMT-4	Aluminum (d)	2016
Goose Creek	WVMT-4	Fecal Coliform	2016
Goose Creek	WVMT-4	Iron	2016
Goose Creek	WVMT-4	pH	2016
Lost Run	WVMT-5	Fecal Coliform	2016
Lost Run	WVMT-5	Iron	2016
Glady Creek	WVMT-6	Iron	2016
Plum Run	WVMT-7	Iron	2016
Wickwire Run	WVMT-8	Fecal Coliform	2016
Wickwire Run	WVMT-8	Iron	2016
Wickwire Run	WVMT-8	CNA-Biological (Surrogate)	2016
Dog Run	WVMT-8-A	Iron	2016
UNT/Wickwire Run RM 4.39	WVMT-8-B	Iron	2016
UNT/Wickwire Run RM 5.22	WVMT-8-C	Iron	2016
Otter Creek	WVMT-9	Fecal Coliform	2016
Otter Creek	WVMT-9	Iron	2016
Berkeley Run	WVMT-11	Fecal Coliform	2016
Berkeley Run	WVMT-11	Iron	2016
Shelby Run	WVMT-11-A	Fecal Coliform	2016
Shelby Run	WVMT-11-A	Iron	2016

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Long Run	WVMT-11-B	Fecal Coliform	2016
Long Run	WVMT-11-B	Iron	2016
Berry Run	WVMT-11-B-1	Fecal Coliform	2016
Berry Run	WVMT-11-B-1	Iron	2016
Three Fork Creek	WVMT-12	Fecal Coliform	2016
Three Fork Creek	WVMT-12	pH	2016
Three Fork Creek	WVMT-12	Aluminum (d)	2016
Three Fork Creek	WVMT-12	Iron	2016
UNT/Three Fork Creek RM 2.02	WVMT-12-0.5A	Fecal Coliform	2016
UNT/Three Fork Creek RM 2.02	WVMT-12-0.5A	Iron	2016
Rocky Branch	WVMT-12-A	Fecal Coliform	2016
Little Laurel Run	WVMT-12-B	Iron	2016
Raccoon Creek	WVMT-12-C	Aluminum (d)	2016
Raccoon Creek	WVMT-12-C	Iron	2016
Raccoon Creek	WVMT-12-C	pH	2016
Cooks Run	WVMT-12-C-1	Aluminum (d)	2016
Cooks Run	WVMT-12-C-1	Iron	2016
Cooks Run	WVMT-12-C-1	pH	2016
Little Raccoon Creek	WVMT-12-C-2	Fecal Coliform	2016
Little Raccoon Creek	WVMT-12-C-2	Iron	2016
Little Raccoon Creek	WVMT-12-C-2	CNA-Biological (Surrogate) *	2016
Laurel Run	WVMT-12-D	Fecal Coliform	2016
Laurel Run	WVMT-12-D	Iron (trout)	2016
Martins Run	WVMT-12-E	Fecal Coliform	2016

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Lick Run	WVMT-12-F	Aluminum (d)	2016
Lick Run	WVMT-12-F	pH	2016
Lick Run	WVMT-12-F	Iron	2016
Fields Creek	WVMT-12-G	Aluminum (trout) (d)	2016
Fields Creek	WVMT-12-G	Fecal Coliform	2016
Fields Creek	WVMT-12-G	Iron (trout)	2016
Fields Creek	WVMT-12-G	pH	2016
Fields Creek	WVMT-12-G	CNA-Biological (Surrogate) *	2016
Stony Run	WVMT-12-G-1	Iron	2016
Brains Creek	WVMT-12-G-2	Fecal Coliform	2016
Brains Creek	WVMT-12-G-2	Iron (trout)	2016
Birds Creek	WVMT-12-H	Aluminum (d)	2016
Birds Creek	WVMT-12-H	Beryllium	2016
Birds Creek	WVMT-12-H	pH	2016
Birds Creek	WVMT-12-H	Iron	2016
Squires Creek	WVMT-12-H-1	Aluminum (d)	2016
Squires Creek	WVMT-12-H-1	Beryllium	2016
Squires Creek	WVMT-12-H-1	Iron	2016
Squires Creek	WVMT-12-H-1	pH	2016
UNT/Squires Creek RM 2.40	WVMT-12-H-1-B	Aluminum (d)	2016
UNT/Squires Creek RM 2.40	WVMT-12-H-1-B	Iron	2016
UNT/Squires Creek RM 2.40	WVMT-12-H-1-B	pH	2016
UNT/Birds Creek RM 0.64	WVMT-12-H-2	Aluminum (d)	2016
UNT/Birds Creek RM 0.64	WVMT-12-H-2	Iron	2016
UNT/Birds Creek RM 0.64	WVMT-12-H-2	pH	2016
UNT/Birds Creek RM 2.57	WVMT-12-H-4	Aluminum (d)	2016
UNT/Birds Creek RM 2.57	WVMT-12-H-4	pH	2016

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Scab Run	WVMT-13	Iron	2016
Scab Run	WVMT-13	Fecal Coliform	2016
Pleasant Creek	WVMT-15	Fecal Coliform	2016
Pleasant Creek	WVMT-15	Iron	2016
Sandy Creek	WVMT-18	Fecal Coliform	2016
Sandy Creek	WVMT-18	Iron	2016
Sandy Creek	WVMT-18	CNA-Biological (Surrogate)	2016
Swamp Run	WVMT-18-B	Iron	2016
Glade Run	WVMT-18-C	Iron	2016
Little Cove Run	WVMT-18-D	Fecal Coliform	2016
Little Cove Run	WVMT-18-D	Iron	2016
Little Sandy Creek	WVMT-18-E	Aluminum (d)	2016
Little Sandy Creek	WVMT-18-E	Iron	2016
Little Sandy Creek	WVMT-18-E	pH	2016
Little Sandy Creek	WVMT-18-E	CNA-Biological (Surrogate)	2016
Maple Run	WVMT-18-E-1	Aluminum (d)	2016
Maple Run	WVMT-18-E-1	Iron	2016
Maple Run	WVMT-18-E-1	pH	2016
York Run	WVMT-18-E-2	Fecal Coliform	2016
York Run	WVMT-18-E-2	Iron	2016
Left Fork/Little Sandy Creek	WVMT-18-E-3	Aluminum (d)	2016
Left Fork/Little Sandy Creek	WVMT-18-E-3	Beryllium	2016
Left Fork/Little Sandy Creek	WVMT-18-E-3	Iron	2016
Left Fork/Little Sandy Creek	WVMT-18-E-3	pH	2016
Right Fork/Little Sandy Creek	WVMT-18-E-4	Iron	2016
Right Fork/Little Sandy Creek	WVMT-18-E-4	CNA-Biological (Surrogate)	2016

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Tibbs Run	WVMT-18-E-4-A	Iron	2016
Oldroad Run	WVMT-18-F	Iron	2016
Left Fork/Sandy Creek	WVMT-18-G	Fecal Coliform	2016
Left Fork/Sandy Creek	WVMT-18-G	Iron	2016
Left Fork/Sandy Creek	WVMT-18-G	CNA-Biological (Surrogate)	2016
UNT/Left Fork RM 4.58/Sandy Creek	WVMT-18-G-2	Fecal Coliform	2016
UNT/Left Fork RM 4.58/Sandy Creek	WVMT-18-G-2	Iron	2016
UNT/Sandy Creek RM 10.47	WVMT-18-H	Fecal Coliform	2016
UNT/Sandy Creek RM 10.47	WVMT-18-H	Iron	2016
UNT/UNT RM 0.56/Sandy Creek RM 10.47	WVMT-18-H-1	pH	2016
UNT/UNT RM 0.56/Sandy Creek RM 10.47	WVMT-18-H-1	Iron	2016
UNT/UNT RM 0.56/Sandy Creek RM 10.47	WVMT-18-H-1	CNA-Biological (Surrogate)	2016
Stony Run	WVMT-19.5	Fecal Coliform	2016
Big Cove Run	WVMT-20	Fecal Coliform	2016
Big Cove Run	WVMT-20	Iron	2016
Big Cove Run	WVMT-20	CNA-Biological (Surrogate) *	2016
Teter Creek	WVMT-23	Fecal Coliform	2016
Teter Creek	WVMT-23	Iron (trout)	2016
Glade Run	WVMT-23-A	Fecal Coliform	2016
Glade Run	WVMT-23-A	Iron	2016
Raccoon Creek	WVMT-23-B	Fecal Coliform	2016
Raccoon Creek	WVMT-23-B	Iron	2016
Raccoon Creek	WVMT-23-B	CNA-Biological (Surrogate) *	2016
Stony Run	WVMT-23-B-1	Fecal Coliform	2016
Stony Run	WVMT-23-B-1	Iron	2016

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Brushy Fork	WVMT-23-C	Fecal Coliform	2016
Brushy Fork	WVMT-23-C	Iron	2016
Brushy Fork	WVMT-23-C	Iron (trout)	2016
Brushy Fork	WVMT-23-C	CNA-Biological (Surrogate) *	2016
Mill Run	WVMT-23-F	Fecal Coliform	2016
Mill Run	WVMT-23-F	Iron (trout)	2016
Mill Run	WVMT-23-F	CNA-Biological (Surrogate)	2016
Jimmy Run	WVMT-23-G	pH	2016
Jimmy Run	WVMT-23-G	Iron	2016
Jimmy Run	WVMT-23-G	CNA-Biological (Surrogate) *	2016
Mill Run	WVMT-23-H	Iron (trout)	2016
Mill Run	WVMT-23-H	CNA-Biological (Surrogate)	2016
Laurel Creek	WVMT-24	Iron (trout)	2016
Moats Hollow	WVMT-24-0.5A	Iron	2016
Frost Run	WVMT-24-A	Fecal Coliform	2016
Frost Run	WVMT-24-A	Iron	2016
Frost Run	WVMT-24-A	CNA-Biological (Surrogate) *	2016
Bonica Run	WVMT-24-B	Fecal Coliform	2016
Bonica Run	WVMT-24-B	Iron	2016
Sugar Creek	WVMT-24-C	DO	2016
Sugar Creek	WVMT-24-C	Fecal Coliform	2016
Sugar Creek	WVMT-24-C	Iron	2016
Sugar Creek	WVMT-24-C	CNA-Biological (Surrogate)	2016
Glady Creek	WVMT-24-C-0.5	Fecal Coliform	2016
Glady Creek	WVMT-24-C-0.5	Iron	2016
UNT/Glady Creek RM 3.68	WVMT-24-C-0.5-F	Iron	2016

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Whitman Run	WVMT-24-C-1.5	Fecal Coliform	2016
Whitman Run	WVMT-24-C-1.5	Iron	2016
Bills Creek	WVMT-24-C-2	Iron	2016
Bills Creek	WVMT-24-C-2	CNA-Biological (Surrogate) *	2016
Hunter Fork	WVMT-24-C-3.5	Fecal Coliform	2016
Long Run	WVMT-24-C-4	Fecal Coliform	2016
Long Run	WVMT-24-C-4	CNA-Biological (Surrogate)	2016
Mitchell Run	WVMT-25	Fecal Coliform	2016
Mitchell Run	WVMT-25	Iron	2016
Mitchell Run	WVMT-25	CNA-Biological (Surrogate)	2016
Hackers Creek	WVMT-26	Fecal Coliform	2016
Hackers Creek	WVMT-26	Iron	2016
Taylor Drain	WVMT-26-A	Fecal Coliform	2016
Taylor Drain	WVMT-26-A	Iron	2016
Foxgrape Run	WVMT-26-B	Fecal Coliform	2016
Foxgrape Run	WVMT-26-B	Iron	2016
Little Hackers Creek	WVMT-26-C	Fecal Coliform	2016
Little Hackers Creek	WVMT-26-C	Iron	2016
Fords Run	WVMT-27	Aluminum (d)	2016
Fords Run	WVMT-27	Fecal Coliform	2016
Fords Run	WVMT-27	Iron	2016
Fords Run	WVMT-27	pH	2016
Shooks Run	WVMT-28	Fecal Coliform	2016
Shooks Run	WVMT-28	Iron	2016
Anglins Run	WVMT-29	Fecal Coliform	2016
Little Laurel Run	WVMT-30	Iron	2016

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Buckhannon River	WVMTB	Fecal Coliform	2016
Buckhannon River	WVMTB	Iron	2016
Buckhannon River	WVMTB	Iron (trout)	2016
First Big Run	WVMTB-1	Fecal Coliform	2016
First Big Run	WVMTB-1	Iron	2016
First Big Run	WVMTB-1	CNA-Biological (Surrogate)	2016
Cottrill Run	WVMTB-2	Fecal Coliform	2016
Cottrill Run	WVMTB-2	Iron	2016
Big Run	WVMTB-3	Fecal Coliform	2016
Big Run	WVMTB-3	Iron	2016
Lick Shoals Run	WVMTB-4	Fecal Coliform	2016
Lick Shoals Run	WVMTB-4	Iron	2016
Pecks Run	WVMTB-5	Fecal Coliform	2016
Pecks Run	WVMTB-5	Iron	2016
UNT/Pecks Run RM 2.24	WVMTB-5-0.8A	Fecal Coliform	2016
UNT/Pecks Run RM 2.24	WVMTB-5-0.8A	Iron	2016
Little Pecks Run	WVMTB-5-B	Fecal Coliform	2016
Little Pecks Run	WVMTB-5-B	Iron	2016
Mud Run	WVMTB-5-C	Fecal Coliform	2016
Handy Camp Run	WVMTB-6	Iron	2016
Sand Run	WVMTB-7	Fecal Coliform	2016
Sand Run	WVMTB-7	Iron	2016
Sand Run	WVMTB-7	CNA-Biological (Surrogate) *	2016
Laurel Fork/Sand Run	WVMTB-7-A	Fecal Coliform	2016
Laurel Fork/Sand Run	WVMTB-7-A	Iron	2016
Little Laurel Fork	WVMTB-7-A-1	Iron	2016
Left Fork/Sand Run	WVMTB-7-B	Fecal Coliform	2016
Left Fork/Sand Run	WVMTB-7-B	Iron	2016

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Big Run	WVMTB-8	Fecal Coliform	2016
Big Run	WVMTB-8	Iron	2016
Big Run	WVMTB-8	CNA-Biological (Surrogate)	2016
Childers Run	WVMTB-9	Fecal Coliform	2016
Childers Run	WVMTB-9	Iron	2016
Childers Run	WVMTB-9	CNA-Biological (Surrogate)	2016
Turkey Run	WVMTB-10	Fecal Coliform	2016
Turkey Run	WVMTB-10	Iron	2016
Sugar Run	WVMTB-10-A	Fecal Coliform	2016
Sugar Run	WVMTB-10-A	Iron	2016
Fink Run	WVMTB-11	Fecal Coliform	2016
Fink Run	WVMTB-11	Iron	2016
Brushy Fork	WVMTB-11-A	Fecal Coliform	2016
Brushy Fork	WVMTB-11-A	Iron	2016
Mud Lick	WVMTB-11-B	Fecal Coliform	2016
Mud Lick	WVMTB-11-B	Iron	2016
Wash Run	WVMTB-11-B.5	Fecal Coliform	2016
Wash Run	WVMTB-11-B.5	Iron	2016
Wash Run	WVMTB-11-B.5	CNA-Biological (Surrogate)	2016
Bridge Run	WVMTB-11-B.7	DO	2016
Bridge Run	WVMTB-11-B.7	Fecal Coliform	2016
Bridge Run	WVMTB-11-B.7	Iron	2016
Sauls Run	WVMTB-11-C	Iron	2016
Little Sand Run	WVMTB-13	DO	2016
Little Sand Run	WVMTB-13	Fecal Coliform	2016
Little Sand Run	WVMTB-13	Iron	2016
Left Fork/Little Sand Run	WVMTB-13-A	Fecal Coliform	2016

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Ratcliff Run	WVMTB-14	Fecal Coliform	2016
Ratcliff Run	WVMTB-14	Iron	2016
Stony Run	WVMTB-15	Fecal Coliform	2016
Stony Run	WVMTB-15	Iron	2016
Hickory Flat Run	WVMTB-16	Fecal Coliform	2016
Hickory Flat Run	WVMTB-16	Iron	2016
Cutright Run	WVMTB-17	Fecal Coliform	2016
Cutright Run	WVMTB-17	Iron	2016
Lick Run	WVMTB-17-A	Fecal Coliform	2016
Lick Run	WVMTB-17-A	Iron	2016
French Creek	WVMTB-18	Fecal Coliform	2016
French Creek	WVMTB-18	Iron	2016
Bull Run	WVMTB-18-B	DO	2016
Bull Run	WVMTB-18-B	Fecal Coliform	2016
Bull Run	WVMTB-18-B	Iron	2016
Bull Run	WVMTB-18-B	CNA-Biological (Surrogate)	2016
Blacklick Run	WVMTB-18-B-2	Aluminum (d)	2016
Blacklick Run	WVMTB-18-B-2	Iron	2016
Blacklick Run	WVMTB-18-B-2	pH	2016
Mudlick Run	WVMTB-18-B-3	DO	2016
Mudlick Run	WVMTB-18-B-3	Fecal Coliform	2016
Mudlick Run	WVMTB-18-B-3	Iron	2016
Grand Camp Run	WVMTB-18-C	Aluminum (trout) (d)	2016
Grand Camp Run	WVMTB-18-C	Fecal Coliform	2016
Grand Camp Run	WVMTB-18-C	Iron (trout)	2016
Grand Camp Run	WVMTB-18-C	pH	2016
Laurel Fork/French Creek	WVMTB-18-D	Fecal Coliform	2016
Laurel Fork/French Creek	WVMTB-18-D	Iron (trout)	2016

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Queens Fork	WVMTB-18-D-2	Iron	2016
Grassy Creek	WVMTB-18-D-2.5	Iron	2016
Kittle Run	WVMTB-18-E	Iron	2016
Morgan Run	WVMTB-18-F	Fecal Coliform	2016
Morgan Run	WVMTB-18-F	Iron	2016
Grub Hollow	WVMTB-18-G	Fecal Coliform	2016
Grub Hollow	WVMTB-18-G	Iron	2016
Brush Run	WVMTB-18-H	Fecal Coliform	2016
Brush Run	WVMTB-18-H	Iron	2016
Little Brush Run	WVMTB-18-H-1	Iron	2016
Slab Camp Fork	WVMTB-18-I	Fecal Coliform	2016
Slab Camp Fork	WVMTB-18-I	Iron	2016
Left Fork/French Creek	WVMTB-18-K	Fecal Coliform	2016
Left Fork/French Creek	WVMTB-18-K	Iron	2016
Trubie Run	WVMTB-19	Fecal Coliform	2016
Trubie Run	WVMTB-19	Iron	2016
Sawmill Run	WVMTB-20	Fecal Coliform	2016
Sawmill Run	WVMTB-20	Iron	2016
Grassy Run	WVMTB-21	Iron	2016
Little Laurel Run	WVMTB-23	Iron	2016
Laurel Run/Buckhannon River	WVMTB-24	Fecal Coliform	2016
Laurel Run/Buckhannon River	WVMTB-24	Iron	2016
Laurel Run/Buckhannon River	WVMTB-24	CNA-Biological (Surrogate) *	2016
Tenmile Creek	WVMTB-25	Iron (trout)	2016
Right Fork/Tenmile Creek	WVMTB-25-A	Fecal Coliform	2016
Right Fork/Tenmile Creek	WVMTB-25-A	Iron	2016
Right Fork/Tenmile Creek	WVMTB-25-A	Iron (trout)	2016

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Panther Creek	WVMTB-27	pH	2016
Panther Creek	WVMTB-27	Iron	2016
Panther Creek	WVMTB-27	Iron (trout)	2016
Big Run	WVMTB-28	Iron	2016
Big Run	WVMTB-28	Iron (trout)	2016
Swamp Run	WVMTB-29	pH	2016
Swamp Run	WVMTB-29	Aluminum (d)	2016
Swamp Run	WVMTB-29	Iron	2016
Swamp Run	WVMTB-29	CNA-Biological (Surrogate)	2016
Herods Run	WVMTB-30	pH	2016
Herods Run	WVMTB-30	Aluminum (d)	2016
Herods Run	WVMTB-30	Iron	2016
Herods Run	WVMTB-30	CNA-Biological (Surrogate) *	2016
Right Fork/Buckhannon River	WVMTB-31	Iron (trout)	2016
Millsite Run	WVMTB-31-D	Iron (trout)	2016
Left Fork/Right Fork/Buckhannon River	WVMTB-31-F	Iron (trout)	2016
Middle Fork/Right Fork/Buckhannon River	WVMTB-31-G	Iron	2016
Marsh Fork	WVMTB-31-J	Iron (trout)	2016
UNT/Right Fork RM 12.18/Buckhannon River	WVMTB-31-K	pH	2016
Left Fork/Buckhannon River	WVMTB-32	Iron (trout)	2016
Smooth Rock Lick Run	WVMTB-32-A	pH	2016
Smooth Rock Lick Run	WVMTB-32-A	Iron	2016
Bearcamp Run	WVMTB-32-D	pH	2016
Bearcamp Run	WVMTB-32-D	Iron (trout)	2016
Beech Run	WVMTB-32-H	Iron (trout)	2016
Laurel Run/Tygart Valley River	WVMT-32	Fecal Coliform	2016
Laurel Run/Tygart Valley River	WVMT-32	Iron	2016

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Middle Fork River	WVMTM	Iron	2016
Middle Fork River	WVMTM	CNA-Biological (Surrogate)	2016
Hanging Run	WVMTM-1	Iron (trout)	2016
Laurel Run/Middle Fork River	WVMTM-2	Iron	2016
Hooppole Run	WVMTM-3	Iron	2016
Hooppole Run	WVMTM-3	CNA-Biological (Surrogate)	2016
Devil Run	WVMTM-4	pH	2016
Devil Run	WVMTM-4	Aluminum (trout) (d)	2016
Devil Run	WVMTM-4	Iron (trout)	2016
Service Run	WVMTM-5	pH	2016
Hell Run	WVMTM-6	Aluminum (trout) (d)	2016
Hell Run	WVMTM-6	pH	2016
Hell Run	WVMTM-6	Iron (trout)	2016
Short Run	WVMTM-7	Aluminum (trout) (d)	2016
Short Run	WVMTM-7	pH	2016
Short Run	WVMTM-7	Iron (trout)	2016
White Oak Run	WVMTM-8	pH	2016
White Oak Run	WVMTM-8	Iron	2016
White Oak Run	WVMTM-8	CNA-Biological (Surrogate) *	2016
UNT/White Oak Run RM 0.44	WVMTM-8-A	Aluminum (d)	2016
UNT/White Oak Run RM 0.44	WVMTM-8-A	pH	2016
UNT/White Oak Run RM 0.44	WVMTM-8-A	Iron	2016
Gum Run	WVMTM-9	Fecal Coliform	2016
UNT/Gum Run RM 1.18	WVMTM-9-B	Fecal Coliform	2016
UNT/Gum Run RM 1.18	WVMTM-9-B	Iron	2016

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Laurel Creek/Middle Fork River	WVMTM-10	Fecal Coliform	2016
Laurel Creek/Middle Fork River	WVMTM-10	Iron (trout)	2016
Laurel Creek/Middle Fork River	WVMTM-10	CNA-Biological (Surrogate) *	2016
Brook Run	WVMTM-10-A	Aluminum (trout) (d)	2016
Brook Run	WVMTM-10-A	Fecal Coliform	2016
Brook Run	WVMTM-10-A	pH	2016
Brook Run	WVMTM-10-A	Iron (trout)	2016
Brook Run	WVMTM-10-A	CNA-Biological (Surrogate)	2016
Right Fork/Middle Fork River	WVMTM-11	Fecal Coliform	2016
Right Fork/Middle Fork River	WVMTM-11	Iron (trout)	2016
Osborne Run	WVMTM-11-A	Iron	2016
Laurel Run	WVMTM-11-B	Iron	2016
Laurel Run	WVMTM-11-C	Iron	2016
Jackson Fork	WVMTM-11-D	Iron (trout)	2016
Jenks Fork	WVMTM-11-E	pH	2016
Jenks Fork	WVMTM-11-E	Iron (trout)	2016
Kettle Run	WVMTM-12	Aluminum (d)	2016
Kettle Run	WVMTM-12	pH	2016
Long Run	WVMTM-13	Iron (trout)	2016
Long Run	WVMTM-13	CNA-Biological (Surrogate) *	2016
Lick Run	WVMTM-15	pH	2016
Lick Run	WVMTM-15	Iron	2016

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Cassity Fork	WVMTM-16	Aluminum (d)	2016
Cassity Fork	WVMTM-16	Aluminum (trout) (d)	2016
Cassity Fork	WVMTM-16	Beryllium	2016
Cassity Fork	WVMTM-16	Iron	2016
Cassity Fork	WVMTM-16	Iron (trout)	2016
Cassity Fork	WVMTM-16	pH	2016
Cassity Fork	WVMTM-16	CNA-Biological (Surrogate)	2016
Panther Run	WVMTM-16-A	Aluminum (trout) (d)	2016
Panther Run	WVMTM-16-A	Iron	2016
Panther Run	WVMTM-16-A	pH	2016
UNT/Panther Run RM 0.62	WVMTM-16-A-1	Aluminum (trout) (d)	2016
UNT/Panther Run RM 0.62	WVMTM-16-A-1	pH	2016
UNT/Panther Run RM 0.62	WVMTM-16-A-1	Iron (trout)	2016
Mulberry Fork	WVMTM-16-B	pH	2016
Mulberry Fork	WVMTM-16-B	Iron	2016
Three Forks Run	WVMTM-17	Iron (trout)	2016
Stonecoal Run	WVMTM-20	Aluminum (trout) (d)	2016
Stonecoal Run	WVMTM-20	pH	2016
Stonecoal Run	WVMTM-20	Iron (trout)	2016
Pleasant Run	WVMTM-21	pH	2016
Pleasant Run	WVMTM-21	Iron (trout)	2016
Laurel Run	WVMTM-22	Iron (trout)	2016
Laurel Branch	WVMTM-23	Iron (trout)	2016
Spice Run	WVMTM-24	Iron (trout)	2016
Schoolcraft Run	WVMTM-25	Iron (trout)	2016
Birch Fork	WVMTM-25-A	Aluminum (trout) (d)	2016
Birch Fork	WVMTM-25-A	pH	2016
Birch Fork	WVMTM-25-A	Iron (trout)	2016

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Birch Fork	WVMTM-26	Iron (trout)	2016
Rocky Run	WVMTM-26-B	Aluminum (trout) (d)	2016
Rocky Run	WVMTM-26-B	pH	2016
Rocky Run	WVMTM-26-B	Iron (trout)	2016
Kittle Creek	WVMTM-27	Iron (trout)	2016
Mitchell Lick Fork	WVMTM-27-A	Iron (trout)	2016
UNT/Tygart Valley River RM 55.89	WVMT-33.4	Iron	2016
Gower Run	WVMT-33.5	Iron	2016
UNT/Tygart Valley River RM 58.40	WVMT-33.6	Iron	2016
Big Run	WVMT-34	Iron	2016
Mill Creek	WVMT-35	DO	2016
Mill Creek	WVMT-35	Fecal Coliform	2016
Mill Creek	WVMT-35	Iron (trout)	2016
Mill Creek	WVMT-35	CNA-Biological (Surrogate)	2016
UNT/Mill Creek RM 2.11	WVMT-35-E	Iron	2016
Shooks Run	WVMT-35.5	Fecal Coliform	2016
Shooks Run	WVMT-35.5	Iron	2016
Shooks Run	WVMT-35.5	CNA-Biological (Surrogate)	2016
Island Run	WVMT-36	Iron	2016
Beaver Creek	WVMT-37	Aluminum (d)	2016
Beaver Creek	WVMT-37	pH	2016
Beaver Creek	WVMT-37	Iron	2016
UNT/Beaver Creek RM 2.02	WVMT-37-0.6A	Aluminum (d)	2016
UNT/Beaver Creek RM 2.02	WVMT-37-0.6A	Iron	2016
UNT/Beaver Creek RM 2.02	WVMT-37-0.6A	pH	2016
Zebbs Creek	WVMT-38	Fecal Coliform	2016
Zebbs Creek	WVMT-38	Iron (trout)	2016
Zebbs Creek	WVMT-38	CNA-Biological (Surrogate)	2016

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Laurel Run	WVMT-39	Iron (trout)	2016
Big Laurel Run	WVMT-40	Iron (trout)	2016
Big Laurel Run	WVMT-40	CNA-Biological (Surrogate) *	2016
Little Laurel Run	WVMT-40-A	Aluminum (trout) (d)	2016
Little Laurel Run	WVMT-40-A	pH	2016
Little Laurel Run	WVMT-40-A	Iron (trout)	2016
UNT/Tygart Valley River RM 71.66	WVMT-40.4	Iron	2016
UNT/Tygart Valley River RM 72.55	WVMT-40.5	Aluminum (d)	2016
UNT/Tygart Valley River RM 72.55	WVMT-40.5	Iron	2016
UNT/Tygart Valley River RM 72.55	WVMT-40.5	pH	2016
Grassy Run	WVMT-41	Aluminum (d)	2016
Grassy Run	WVMT-41	Iron	2016
Grassy Run	WVMT-41	pH	2016
UNT/Grassy Run RM 0.45	WVMT-41-A	Aluminum (d)	2016
UNT/Grassy Run RM 0.45	WVMT-41-A	pH	2016
Roaring Creek	WVMT-42	Aluminum (d)	2016
Roaring Creek	WVMT-42	pH	2016
Roaring Creek	WVMT-42	Iron	2016
UNT/Roaring Creek RM 4.09	WVMT-42-0.8A	Aluminum (d)	2016
UNT/Roaring Creek RM 4.09	WVMT-42-0.8A	Iron	2016
UNT/Roaring Creek RM 4.09	WVMT-42-0.8A	pH	2016
Laurel Run	WVMT-42-A	Iron	2016
Flatbush Fork	WVMT-42-B	Aluminum (trout) (d)	2016
Flatbush Fork	WVMT-42-B	pH	2016
Flatbush Fork	WVMT-42-B	Iron (trout)	2016
Flatbush Fork	WVMT-42-B	CNA-Biological (Surrogate) *	2016

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Flatbush Fork RM 0.78	WVMT-42-B-0.5	Aluminum (d)	2016
UNT/Flatbush Fork RM 0.78	WVMT-42-B-0.5	pH	2016
UNT/Flatbush Fork RM 0.78	WVMT-42-B-0.5	Iron	2016
UNT/Flatbush Fork RM 1.80	WVMT-42-B-1	Aluminum (d)	2016
UNT/Flatbush Fork RM 1.80	WVMT-42-B-1	pH	2016
UNT/Flatbush Fork RM 1.80	WVMT-42-B-1	Iron	2016
UNT/Flatbush Fork RM 1.80	WVMT-42-B-1	CNA-Biological (Surrogate) *	2016
UNT/Roaring Creek RM 10.51	WVMT-42-D	Aluminum (d)	2016
UNT/Roaring Creek RM 10.51	WVMT-42-D	Iron	2016
UNT/Roaring Creek RM 10.51	WVMT-42-D	pH	2016
UNT/Roaring Creek RM 11.0	WVMT-42-E	pH	2016
UNT/Roaring Creek RM 11.0	WVMT-42-E	CNA-Biological (Surrogate) *	2016
UNT/Tygart Valley River RM 76.87	WVMT-42.5	Fecal Coliform	2016
UNT/Tygart Valley River RM 76.87	WVMT-42.5	Iron	2016
Leading Creek	WVMT-43	Fecal Coliform	2016
Leading Creek	WVMT-43	Iron	2016
Leading Creek	WVMT-43	CNA-Biological (Surrogate) *	2016
UNT/Leading Creek RM 0.47	WVMT-43-0.5A	Iron	2016
Craven Run	WVMT-43-A	Fecal Coliform	2016
Craven Run	WVMT-43-A	Iron	2016
Craven Run	WVMT-43-A	CNA-Biological (Surrogate)	2016
Claylick Run	WVMT-43-B	Iron	2016
Pearcy Run	WVMT-43-E	Iron	2016
Stalnaker Run	WVMT-43-F	Iron	2016
Davis Lick	WVMT-43-H	Fecal Coliform	2016
Davis Lick	WVMT-43-H	Iron	2016
Davis Lick	WVMT-43-H	CNA-Biological (Surrogate)	2016
Cherry Fork	WVMT-43-L	Iron	2016

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Laurel Run	WVMT-43-O	Fecal Coliform	2016
Laurel Run	WVMT-43-O	Iron	2016
Laurel Run	WVMT-43-O	CNA-Biological (Surrogate) *	2016
UNT/Tygart Valley River RM 81.92	WVMT-43.8	Iron	2016
UNT/Tygart Valley River RM 82.27	WVMT-43.9	Fecal Coliform	2016
UNT/Tygart Valley River RM 82.27	WVMT-43.9	Iron	2016
Chenoweth Creek	WVMT-45	Fecal Coliform	2016
Chenoweth Creek	WVMT-45	Iron (trout)	2016
Chenoweth Creek	WVMT-45	CNA-Biological (Surrogate)	2016
Isner Creek	WVMT-45-A	Fecal Coliform	2016
Left Fork/Chenoweth Creek	WVMT-45-D	Iron	2016
Whitman Run	WVMT-46	Iron	2016
Beaver Creek	WVMT-47	Iron (trout)	2016
Kings Run	WVMT-48	Fecal Coliform	2016
Kings Run	WVMT-48	Iron	2016
Kings Run	WVMT-48	CNA-Biological (Surrogate) *	2016
Dodson Run	WVMT-49	Fecal Coliform	2016
Files Creek	WVMT-50	Iron (trout)	2016
Right Fork/Files Creek	WVMT-50-A	Iron (trout)	2016
Left Fork/Files Creek	WVMT-50-B	Iron (trout)	2016
UNT/Tygart Valley River RM 92.85	WVMT-51.8	Fecal Coliform	2016
UNT/Tygart Valley River RM 92.85	WVMT-51.8	Iron	2016
Sea Run	WVMT-56	Fecal Coliform	2016
Jones Run	WVMT-58	Fecal Coliform	2016
Jones Run	WVMT-58	Iron	2016
Dry Run	WVMT-63	Fecal Coliform	2016
Dry Run	WVMT-63	Iron	2016

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Mill Creek	WVMT-64	Fecal Coliform	2016
Mill Creek	WVMT-64	Iron	2016
Mill Creek	WVMT-64	Iron (trout)	2016
UNT/Tygart Valley River RM 105.69	WVMT-64.2	Fecal Coliform	2016
UNT/Tygart Valley River RM 105.69	WVMT-64.2	Iron	2016
McCall Run	WVMT-64-0.5A	Fecal Coliform	2016
Right Fork/Mill Creek	WVMT-64-A	Fecal Coliform	2016
Right Fork/Mill Creek	WVMT-64-A	Iron	2016
Right Fork/Mill Creek	WVMT-64-A	CNA-Biological (Surrogate) *	2016
Meatbox Run	WVMT-64-E	Aluminum (trout) (d)	2016
Meatbox Run	WVMT-64-E	pH	2016
Potatohole Fork	WVMT-64-F	Aluminum (trout) (d)	2016
Potatohole Fork	WVMT-64-F	pH	2016
Potatohole Fork	WVMT-64-F	Iron (trout)	2016
Stewart Run	WVMT-75	Iron (trout)	2016
Conley Run	WVMT-77	Iron (trout)	2016
Ralston Run	WVMT-78	Iron (trout)	2016
Windy Run	WVMT-79	Iron (trout)	2016
Logan Run	WVMT-80	Iron (trout)	2016
Big Run	WVMT-81	Iron (trout)	2016

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>HYDROLOGIC GROUP C</b>			
<b>GAULEY WATERSHED - HUC# 05050005</b>			
Scrabble Creek	WVKG-1	Fecal Coliform	2008
Twentymile Creek	WVKG-5	CNA-Biological	2008
Twentymile Creek	WVKG-5	Fecal Coliform	2008
Twentymile Creek	WVKG-5	Iron	2008
Twentymile Creek	WVKG-5	pH	2008
Buckles Branch	WVKG-5-A	Iron	2008
Bells Creek	WVKG-5-B	CNA-Biological	2008
Bells Creek	WVKG-5-B	Fecal Coliform	2008
Bells Creek	WVKG-5-B	Iron	2008
Open Fork	WVKG-5-B-1	Aluminum (d)	2008
Open Fork	WVKG-5-B-1	CNA-Biological	2008
Open Fork	WVKG-5-B-1	Fecal Coliform	2008
Open Fork	WVKG-5-B-1	pH	2008
Open Fork	WVKG-5-B-1	Iron	2008
Williams Hollow	WVKG-5-B-1-B	pH	2008
Williams Hollow	WVKG-5-B-1-B	Aluminum (d)	2008
Sangamore Fork	WVKG-5-B-1-C	Aluminum (d)	2008
Sangamore Fork	WVKG-5-B-1-C	CNA-Biological	2008
Sangamore Fork	WVKG-5-B-1-C	pH	2008
Sangamore Fork	WVKG-5-B-1-C	Iron	2008
Smith Branch	WVKG-5-B-2	Fecal Coliform	2008
Hughes Fork	WVKG-5-B-4	Selenium	2008
Hughes Fork	WVKG-5-B-4	Iron	2008

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Rockcamp Fork	WVKG-5-B-5	Fecal Coliform	2008
Campbell Fork	WVKG-5-B-7	CNA-Biological	2008
Campbell Fork	WVKG-5-B-7	Fecal Coliform	2008
Campbell Fork	WVKG-5-B-7	Iron	2008
Rockcamp Fork	WVKG-5-F	Aluminum (d)	2008
Rockcamp Fork	WVKG-5-F	CNA-Biological	2008
Rockcamp Fork	WVKG-5-F	pH	2008
Spring Branch	WVKG-5-F-1	Aluminum (d)	2008
Spring Branch	WVKG-5-F-1	CNA-Biological	2008
Spring Branch	WVKG-5-F-1	Iron	2008
Spring Branch	WVKG-5-F-1	pH	2008
Lilly Branch	WVKG-5-G	Iron	2008
Hardway Branch	WVKG-5-K	Iron	2008
UNT/Hardway Branch RM 1.00	WVKG-5-K-2	Iron	2008
Boardtree Branch	WVKG-5-M	Iron	2008
Sugarcamp Branch	WVKG-5-N	Iron	2008
Stillhouse Branch	WVKG-5-O	Iron	2008
Robinson Fork	WVKG-5-P	Iron	2008
UNT/Robinson Fork RM 1.23	WVKG-5-P-4	Iron	2008
UNT/Twentymile Creek RM 17.20	WVKG-5-P.5	Iron	2008
Rader Fork	WVKG-5-R	Iron	2008
Rich Creek	WVKG-6	Fecal Coliform	2008
Rich Creek	WVKG-6	Iron (trout)	2008
Lick Branch	WVKG-6-A	Fecal Coliform	2008
Bridge Fork	WVKG-6-B	Iron	2008
Kelly Fork	WVKG-6-D	Fecal Coliform	2008

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Peters Creek	WVKG-13	Fecal Coliform	2008
Peters Creek	WVKG-13	Iron	2008
Otter Creek	WVKG-13-B	Fecal Coliform	2008
Otter Creek	WVKG-13-B	Iron	2008
Line Creek	WVKG-13-C	Fecal Coliform	2008
Right Fork/Line Creek	WVKG-13-C-1	Iron	2008
UNT/Line Creek RM 1.31	WVKG-13-C-3	pH	2008
UNT/Line Creek RM 1.31	WVKG-13-C-3	Aluminum (d)	2008
Laurel Creek	WVKG-13-E	Fecal Coliform	2008
Jerry Fork	WVKG-13-F	Iron	2008
Jones Branch	WVKG-13-G	Fecal Coliform	2008
Jones Branch	WVKG-13-G	Iron	2008
Keenan Branch	WVKG-13-H	Fecal Coliform	2008
Whitewater Branch	WVKG-13-J	Fecal Coliform	2008
Buck Garden Creek	WVKG-13-K	Fecal Coliform	2008
Buck Garden Creek	WVKG-13-K	Iron	2008
Hutchison Branch	WVKG-13-K-1	Fecal Coliform	2008
Hutchison Branch	WVKG-13-K-1	Iron	2008
Rockcamp Branch	WVKG-13-L	Iron	2008
McClung Branch	WVKG-13-M	Fecal Coliform	2008
McClung Branch	WVKG-13-M	Iron	2008
Pine Run	WVKG-13-N	Iron (trout)	2008
Bryant Branch	WVKG-13-O	Iron	2008
Meadow River	WVKG-19	Fecal Coliform	2016
Meadow River	WVKG-19	CNA-Biological (Surrogate) *	2016

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Arrowwood Creek	WVKG-19-C	pH	2016
Sugargrove Creek	WVKG-19-G-3	pH	2016
Piney Creek	WVKG-19-L-1	pH	2016
Toms Creek	WVKG-19-M	pH	2016
Kates Creek	WVKG-19-O	pH	2016
Surbaugh Creek	WVKG-19-O.7	pH	2016
Meadow Creek	WVKG-19-P	Fecal Coliform	2016
Sewell Creek	WVKG-19-Q	Fecal Coliform	2008
Sewell Creek	WVKG-19-Q	Iron	2008
Little Sewell Creek	WVKG-19-Q-1	Fecal Coliform	2008
Little Sewell Creek	WVKG-19-Q-1	Iron	2008
Boggs Creek	WVKG-19-Q-1-A	Iron	2008
Big Clear Creek	WVKG-19-U	Fecal Coliform	2016
Briery Creek	WVKG-19-U-2-A	pH	2008
Briery Creek	WVKG-19-U-2-A	Aluminum (trout) (d)	2008
Old Field Branch	WVKG-19-U-2-C	pH	2016
Little Clear Creek	WVKG-19-V	Fecal Coliform	2016
Little Clear Creek	WVKG-19-V	Iron (trout)	2008
Little Clear Creek	WVKG-19-V	pH	2008
Beaver Creek	WVKG-19-V-1	Fecal Coliform	2016
Beaver Creek	WVKG-19-V-1	Iron	2008
Stony Run	WVKG-19-V-2	Iron	2008
Rader Run	WVKG-19-V-3	Iron	2008
UNT/Little Clear Creek RM 7.5	WVKG-19-V-3.8	Iron	2008
Cutlip Branch	WVKG-19-V-4	Iron	2008
Laurel Creek	WVKG-19-V-5	pH	2008
Laurel Creek	WVKG-19-V-5	Iron (trout)	2008

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Kuhn Branch	WVKG-19-V-7	Iron (trout)	2008
Joe Knob Branch	WVKG-19-V-7-A	Iron	2008
Otter Creek	WVKG-19-W	Fecal Coliform	2016
Methodist Branch	WVKG-19-W-1	Fecal Coliform	2016
Smoot Branch	WVKG-19-W-2	Fecal Coliform	2016
UNT/Otter Creek RM 2.81	WVKG-19-W-4	Fecal Coliform	2016
UNT/Otter Creek RM 4.03	WVKG-19-W-5	Fecal Coliform	2016
Callahan Branch	WVKG-19-W.4	Fecal Coliform	2016
Buffalo Creek	WVKG-19-Y	Fecal Coliform	2016
Morris Fork	WVKG-19-Y.1	Fecal Coliform	2016
Hominy Creek	WVKG-24	Iron (trout)	2008
Brushy Meadow Creek	WVKG-24-E-2	Fecal Coliform	2008
Brushy Meadow Creek	WVKG-24-E-2	Iron (trout)	2008
UNT/Brushy Meadow Creek RM 1.32	WVKG-24-E-2-B	Fecal Coliform	2008
UNT/Hominy Creek RM 19.37 (Colt Ridge Branch)	WVKG-24-I	Iron	2008
Jones Run	WVKG-26-B-2	CNA-Biological	2008
Jones Run	WVKG-26-B-2	Fecal Coliform	2008
Duffy Branch	WVKG-26-C	Iron	2008
Phillips Run	WVKG-26-D	Iron	2008
Enoch Branch	WVKG-26-H	Iron	2008
McMillion Creek	WVKG-26-I	Iron	2008
Brushy Fork	WVKG-26-K	Iron (trout)	2008
Lower Spruce Run	WVKG-26-K-1	Iron	2008
Spruce Run	WVKG-26-K-1-A	Aluminum (d)	2008
Spruce Run	WVKG-26-K-1-A	Iron	2008
Spruce Run	WVKG-26-K-1-A	pH	2008
Falls Run	WVKG-26-O-2	pH	2008

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Laurel Fork	WVKG-26-P	Iron	2008
Big Beaver Creek	WVKG-30	Fecal Coliform	2008
Wyatt Run	WVKG-30-D	Fecal Coliform	2008
Little Beaver Creek	WVKG-30-E	Fecal Coliform	2008
UNT/Little Beaver Creek RM 4.0	WVKG-30-E-4	Fecal Coliform	2008
UNT/Little Beaver Creek RM 4.0	WVKG-30-E-4	Iron	2008
Left Fork/Big Beaver Creek	WVKG-30-I	Fecal Coliform	2008
Paddy Run	WVKG-30-K	Iron	2008
Bearpen Fork	WVKG-30-L	CNA-Biological	2008
Bearpen Fork	WVKG-30-L	Iron	2008
Upper Laurel Run	WVKG-30-P	pH	2008
Upper Laurel Run	WVKG-30-P	Aluminum (d)	2008
Little Laurel Creek	WVKG-31	pH	2008
UNT/Little Laurel Creek RM 1.12	WVKG-31-B	pH	2008
UNT/Little Laurel Creek RM 1.89	WVKG-31-C	pH	2008
Panther Creek	WVKG-32	Aluminum (trout) (d)	2008
Panther Creek	WVKG-32	Iron (trout)	2008
Nettle Run	WVKG-32-I	Iron	2008
Cranes Nest Run	WVKG-32-J	Iron (trout)	2008
Windy Run	WVKG-34-H-8	pH	2008
Armstrong Run	WVKG-34-H-9	pH	2008
Carpenter Run	WVKG-34-H-11.5	pH	2008
Barrenshe Run	WVKGC-4	pH	2008
Aldrich Branch	WVKGC-9	pH	2008
Lick Branch	WVKGC-14	pH	2008
Little Rough Run	WVKGC-17.3	pH	2008

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Cold Run	WVKGC-18	pH	2008
Dogway Fork	WVKGC-19	pH	2008
Birchlog Run	WVKGC-21	pH	2008
Tumbling Rock Run	WVKGC-22	pH	2008
North Fork/Cranberry River	WVKGC-24	pH	2008
Left Fork/North Fork/Cranberry River	WVKGC-24-C	pH	2008
Craig Run	WVKGW-1	pH	2008
Middle Fork/Williams River	WVKGW-10	pH	2008
Kens Creek	WVKGW-18	pH	2008
Tea Creek	WVKGW-20	pH	2008
Sugar Creek	WVKGW-21	pH	2008
UNT/Sugar Creek RM 2.5	WVKGW-21-B	pH	2008
Turkey Creek	WVKG-60	pH	2008
Right Fork/Turkey Creek	WVKG-60-A	pH	2008
Big Run	WVKG-70	pH	2008

**LOWER GUYANDOTTE WATERSHED - HUC# 05070102**

Guyandotte River (Lower)	WVOG-lo	Fecal Coliform	2004
Guyandotte River (Lower)	WVOG-lo	Iron	2004
Mud River	WVOGM	CNA-Biological	2004
Mud River	WVOGM	Selenium	2004
Sugartree Branch	WVOGM-47	CNA-Biological	2004
Sugartree Branch	WVOGM-47	Selenium	2004
Stanley Fork	WVOGM-48	CNA-Biological	2004
Stanley Fork	WVOGM-48	Selenium	2004
Right Fork/Merritt Creek	WVOG-10-A	CNA-Biological	2004
Right Fork/Merritt Creek	WVOG-10-A	Iron	2004

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Limestone Branch	WVOG-48	Iron	2004
Limestone Branch	WVOG-48	pH	2004
Big Creek	WVOG-49	Aluminum (d)	2004
Ed Stone Branch	WVOG-49-A	CNA-Biological	2004
Ed Stone Branch	WVOG-49-A	Iron	2004
Ed Stone Branch	WVOG-49-A	pH	2004
North Branch/Ed Stone Branch	WVOG-49-A-1	Iron	2004
North Branch/Ed Stone Branch	WVOG-49-A-1	pH	2004
Crawley Creek	WVOG-51	Aluminum (d)	2004
Godby Branch	WVOG-53	CNA-Biological	2004
Godby Branch	WVOG-53	Iron	2004
Godby Branch	WVOG-53	pH	2004
Buffalo Creek	WVOG-61	Aluminum (d)	2004
Buffalo Creek	WVOG-61	Iron	2004
Buffalo Creek	WVOG-61	Manganese	2004
Buffalo Creek	WVOG-61	pH	2004
Right Fork/Buffalo Creek	WVOG-61-A	Iron	2004
Right Fork/Buffalo Creek	WVOG-61-A	pH	2004

**MIDDLE OHIO NORTH WATERSHED - HUC# 05030201**

Ohio River (Middle North)	WVO-mn	PCBs	2002
Atward Run	WVO-53-H	Iron	2012
Cow Creek	WVO-55	Fecal Coliform	2012
Cow Creek	WVO-55	Iron	2012
Cow Creek	WVO-55	CNA-Biological (Surrogate) *	2012
Sled Run	WVO-55-C	Iron	2012
Limestone Run	WVO-55-F	Iron	2012
Sharps Run	WVO-55-G	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
French Creek	WVO-57	Fecal Coliform	2012
French Creek	WVO-57	Iron	2012
Henry Camp Run	WVO-57-A	Iron	2012
Long Run	WVO-57-B	Iron	2012
Alum Cave Run	WVO-57-C	Iron	2012
Schultz Run	WVO-57-D	Iron	2012
Right Fork/French Creek	WVO-57-E	Fecal Coliform	2012
Right Fork/French Creek	WVO-57-E	Iron	2012
Left Fork/French Creek	WVO-57-F	Fecal Coliform	2012
Left Fork/French Creek	WVO-57-F	Iron	2012
Middle Island Creek	WVOMI	CNA-Biological	2012
Middle Island Creek	WVOMI	Fecal Coliform	2012
Middle Island Creek	WVOMI	Iron	2012
Broad Run	WVOMI-1	Iron	2012
Fishpot Run	WVOMI-2	Iron	2012
Willow Island Creek	WVOMI-3	Iron	2012
McKim Creek	WVOMI-4	CNA-Biological	2012
McKim Creek	WVOMI-4	Fecal Coliform	2012
McKim Creek	WVOMI-4	Iron	2012
Shawnee Run	WVOMI-4-A	Iron	2012
Panther Run	WVOMI-4-C	Iron	2012
Rock Run	WVOMI-4-D	Iron	2012
Josephs Fork	WVOMI-4-I	Iron	2012
Wolf Run	WVOMI-5	Iron	2012
Bogart Run	WVOMI-6	Fecal Coliform	2012
Sugar Creek	WVOMI-9	CNA-Biological	2012
Sugar Creek	WVOMI-9	Fecal Coliform	2012
Sugar Creek	WVOMI-9	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Walnut Run	WVOMI-9-C	Iron	2012
South Fork/Sugar Creek	WVOMI-9-E	Iron	2012
Allen Run	WVOMI-13	Fecal Coliform	2012
Allen Run	WVOMI-13	Iron	2012
Sheets Run	WVOMI-14	Iron	2012
Buffalo Run	WVOMI-15	Fecal Coliform	2012
Buffalo Run	WVOMI-15	Iron	2012
UNT/Buffalo Run RM 0.99	WVOMI-15-0.3A	Fecal Coliform	2012
UNT/Buffalo Run RM 0.99	WVOMI-15-0.3A	Iron	2012
UNT/UNT RM 1.63/Buffalo Run RM 0.99	WVOMI-15-0.3A-5	Fecal Coliform	2012
Buffalo Run (2nd upstream)	WVOMI-17	Iron	2012
Shrivers Run	WVOMI-18	Fecal Coliform	2012
Allen Run	WVOMI-19	Fecal Coliform	2012
Sancho Creek	WVOMI-21	CNA-Biological	2012
Little Sancho Creek	WVOMI-21-A	Fecal Coliform	2012
Little Sancho Creek	WVOMI-21-A	Iron	2012
Point Pleasant Creek	WVOMI-23	CNA-Biological	2012
Point Pleasant Creek	WVOMI-23	Fecal Coliform	2012
Pursley Creek	WVOMI-23-A	CNA-Biological	2012
Pursley Creek	WVOMI-23-A	Fecal Coliform	2012
Pursley Creek	WVOMI-23-A	Iron	2012
Badger Run	WVOMI-23-A-2	Iron	2012
Elk Fork	WVOMI-23-B	Fecal Coliform	2012
Elk Fork	WVOMI-23-B	Iron	2012
Big Run	WVOMI-23-B-1	Iron	2012
Mudlick Run	WVOMI-23-B-3	Fecal Coliform	2012
Mudlick Run	WVOMI-23-B-3	Iron	2012
Middle Fork/Mudlick Run	WVOMI-23-B-3-A	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Coallick Run	WVOMI-23-C	Fecal Coliform	2012
Tenmile Run	WVOMI-23-D	Iron	2012
Wolfpen Run	WVOMI-23-D-1	Iron	2012
Willow Fork	WVOMI-23-E	Fecal Coliform	2012
Willow Fork	WVOMI-23-E	Iron	2012
Buck Run	WVOMI-23-E-1	Fecal Coliform	2012
Buck Run	WVOMI-23-E-1	CNA-Biological (Surrogate) *	2012
Peach Fork	WVOMI-23-G	CNA-Biological	2012
Peach Fork	WVOMI-23-G	Fecal Coliform	2012
UNT/Peach Fork RM 0.42	WVOMI-23-G-0.5	Fecal Coliform	2012
UNT/Peach Fork RM 0.42	WVOMI-23-G-0.5	Iron	2012
Gorrell Run	WVOMI-24	CNA-Biological	2012
Gorrell Run	WVOMI-24	Fecal Coliform	2012
Gorrell Run	WVOMI-24	Iron	2012
Muddy Creek	WVOMI-26	Iron	2012
Indian Creek	WVOMI-29	CNA-Biological	2012
Indian Creek	WVOMI-29	Fecal Coliform	2012
Big Run	WVOMI-29-A	Fecal Coliform	2012
Big Run	WVOMI-29-A	Iron	2012
Walnut Fork	WVOMI-29-E	Fecal Coliform	2012
Walnut Fork	WVOMI-29-E	Iron	2012
Stackpole Run	WVOMI-29-H	Iron	2012
McElroy Creek	WVOMI-30	CNA-Biological	2012
McElroy Creek	WVOMI-30	Fecal Coliform	2012
McElroy Creek	WVOMI-30	Iron	2012
Pratt Run	WVOMI-30-C	Iron	2012
Sandy Run	WVOMI-30-E	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Flint Run	WVOMI-30-H	Fecal Coliform	2012
Flint Run	WVOMI-30-H	Iron	2012
Little Flint Run	WVOMI-30-H-1	Fecal Coliform	2012
Little Flint Run	WVOMI-30-H-1	Iron	2012
UNT/Little Flint Run RM 1.96	WVOMI-30-H-1-D	Iron	2012
Israel Fork	WVOMI-30-H-3	Iron	2012
Neds Run	WVOMI-30-H-4	Iron	2012
East Run	WVOMI-30-H-6	Iron	2012
Elklick Run	WVOMI-30-I	Iron	2012
Riggins Run	WVOMI-30-K	Iron	2012
Talkington Fork	WVOMI-30-N	Fecal Coliform	2012
Talkington Fork	WVOMI-30-N	Iron	2012
Pike Fork	WVOMI-30-P	Fecal Coliform	2012
Pike Fork	WVOMI-30-P	Iron	2012
Sycamore Fork	WVOMI-30-P-1	Fecal Coliform	2012
Sycamore Fork	WVOMI-30-P-1	Iron	2012
Robinson Fork	WVOMI-30-O	Fecal Coliform	2012
Robinson Fork	WVOMI-30-O	Iron	2012
Little Battle Run	WVOMI-30-O-1	Iron	2012
Big Battle Run	WVOMI-30-O-2	CNA-Biological	2012
Big Battle Run	WVOMI-30-O-2	Fecal Coliform	2012
Big Battle Run	WVOMI-30-O-2	Iron	2012
Little Battle Run	WVOMI-30-O-2-A	Iron	2012
Skelton Run	WVOMI-30-O-5	Iron	2012
Wheeler Run	WVOMI-31	Iron	2012
Jefferson Run	WVOMI-33	Iron	2012
Purgatory Run	WVOMI-34	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Camp Mistake Run	WVOMI-39	Fecal Coliform	2012
Camp Mistake Run	WVOMI-39	Iron	2012
UNT/Camp Mistake Run RM 0.96	WVOMI-39-C	Iron	2012
Arnold Creek	WVOMI-40	Fecal Coliform	2012
Arnold Creek	WVOMI-40	Iron	2012
Short Run	WVOMI-40-A	Iron	2012
Long Run	WVOMI-40-B	Fecal Coliform	2012
Long Run	WVOMI-40-B	Iron	2012
Wilhelm Run	WVOMI-40-E	CNA-Biological	2012
Wilhelm Run	WVOMI-40-E	Fecal Coliform	2012
Wilhelm Run	WVOMI-40-E	Iron	2012
Claylick Run	WVOMI-40-F	Fecal Coliform	2012
Claylick Run	WVOMI-40-F	Iron	2012
Middle Run	WVOMI-40-H	Iron	2012
Right Fork/Arnold Creek	WVOMI-40-I	CNA-Biological	2012
Right Fork/Arnold Creek	WVOMI-40-I	Fecal Coliform	2012
Left Fork/Arnold Creek	WVOMI-40-J	Fecal Coliform	2012
Left Fork/Arnold Creek	WVOMI-40-J	Iron	2012
Nutter Fork	WVOMI-41	Iron	2012
Wolfpen Run	WVOMI-41-B	Iron	2012
UNT/Middle Island Creek RM 67.32	WVOMI-41.5	Fecal Coliform	2012
UNT/Middle Island Creek RM 67.32	WVOMI-41.5	Iron	2012
Bluestone Creek	WVOMI-43	Fecal Coliform	2012
Bluestone Creek	WVOMI-43	Iron	2012
Jockeycamp Run	WVOMI-45	Iron	2012
Meathouse Fork	WVOMI-46	CNA-Biological	2012
Meathouse Fork	WVOMI-46	Fecal Coliform	2012
Meathouse Fork	WVOMI-46	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Georgescamp Run	WVOMI-46-0.8A	Iron	2012
Lick Run	WVOMI-46-B	Fecal Coliform	2012
Lick Run	WVOMI-46-B	Iron	2012
Toms Fork	WVOMI-46-E	Iron	2012
Little Toms Fork	WVOMI-46-E-1	Iron	2012
Webley Fork	WVOMI-46-E-1-A	Iron	2012
Redlick Run	WVOMI-46-G	Iron	2012
Brushy Fork	WVOMI-46-H	Fecal Coliform	2012
Brushy Fork	WVOMI-46-H	Iron	2012
Snake Run	WVOMI-46-I	Fecal Coliform	2012
Indian Fork	WVOMI-46-J	Fecal Coliform	2012
Indian Fork	WVOMI-46-J	Iron	2012
Little Indian Fork	WVOMI-46-J-1	Iron	2012
Beech Lick	WVOMI-46-L	Iron	2012
Laurel Run	WVOMI-46-Q	Iron	2012
Big Isaac Creek	WVOMI-46-R	Fecal Coliform	2012
Big Isaac Creek	WVOMI-46-R	Iron	2012
Buckeye Creek	WVOMI-47	Fecal Coliform	2012
Buckeye Creek	WVOMI-47	Iron	2012
Morgans Run	WVOMI-47-B	Iron	2012
Buckeye Run	WVOMI-47-C	CNA-Biological	2012
Buckeye Run	WVOMI-47-C	Fecal Coliform	2012
Buckeye Run	WVOMI-47-C	Iron	2012
UNT/Buckeye Run RM 3.35	WVOMI-47-C-2.6	Fecal Coliform	2012
UNT/Buckeye Run RM 3.35	WVOMI-47-C-2.6	Iron	2012
Buffalo Calf Fork	WVOMI-47-E	Fecal Coliform	2012
Buffalo Calf Fork	WVOMI-47-E	Iron	2012
Greenbrier Creek	WVOMI-47-G	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Sugarcamp Run	WVO-63	Fecal Coliform	2012
Sugarcamp Run	WVO-63	Iron	2012
Cow Hollow Run	WVO-66	CNA-Biological	2012
Cow Hollow Run	WVO-66	Fecal Coliform	2012
Cow Hollow Run	WVO-66	Iron	2012
Fishing Creek	WVO-69	Fecal Coliform	2012
Fishing Creek	WVO-69	Iron	2012
Fishing Creek	WVO-69	CNA-Biological (Surrogate) *	2012
Doolin Run	WVO-69-A	CNA-Biological	2012
Doolin Run	WVO-69-A	Fecal Coliform	2012
Doolin Run	WVO-69-A	Iron	2012
Little Fishing Creek	WVO-69-C	CNA-Biological	2012
Little Fishing Creek	WVO-69-C	Fecal Coliform	2012
Little Fishing Creek	WVO-69-C	Iron	2012
Scheidler Run	WVO-69-C-5	Fecal Coliform	2012
Scheidler Run	WVO-69-C-5	Iron	2012
Rush Run	WVO-69-C-7	Fecal Coliform	2012
Honey Run	WVO-69-C-10	Iron	2012
Hupp Run	WVO-69-D	Iron	2012
State Run	WVO-69-F	Iron	2012
Money Run	WVO-69-G	Iron	2012
Brush Run	WVO-69-H	Fecal Coliform	2012
Brush Run	WVO-69-H	Iron	2012
Crow Run	WVO-69-J	Fecal Coliform	2012
Crow Run	WVO-69-J	Iron	2012
Piney Fork	WVO-69-K	Iron	2012
Fluharty Fork	WVO-69-K-1	Iron	2012
UNT/Piney Fork RM 5.40	WVO-69-K-1.7	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Shenango Creek	WVO-69-M	Iron	2012
South Fork/Fishing Creek	WVO-69-N	CNA-Biological	2012
South Fork/Fishing Creek	WVO-69-N	Fecal Coliform	2012
South Fork/Fishing Creek	WVO-69-N	Iron	2012
Upper Run	WVO-69-N-3	Fecal Coliform	2012
Upper Run	WVO-69-N-3	Iron	2012
Buffalo Run	WVO-69-N-5	CNA-Biological	2012
Buffalo Run	WVO-69-N-5	Fecal Coliform	2012
Buffalo Run	WVO-69-N-5	Iron	2012
Richwood Run	WVO-69-N-6	Fecal Coliform	2012
Richwood Run	WVO-69-N-6	Iron	2012
Arches Fork	WVO-69-N-7	CNA-Biological	2012
Arches Fork	WVO-69-N-7	Fecal Coliform	2012
Arches Fork	WVO-69-N-7	Iron	2012
Slabcamp Run	WVO-69-N-7-A	Fecal Coliform	2012
Slabcamp Run	WVO-69-N-7-A	Iron	2012
Fallen Timber Run	WVO-69-N-8	CNA-Biological	2012
Fallen Timber Run	WVO-69-N-8	Fecal Coliform	2012
Fallen Timber Run	WVO-69-N-8	Iron	2012
Price Run	WVO-69-N-9	CNA-Biological	2012
Price Run	WVO-69-N-9	Fecal Coliform	2012
Price Run	WVO-69-N-9	Iron	2012
Buck Run	WVO-69-N-9-B	Fecal Coliform	2012
Buck Run	WVO-69-N-9-B	Iron	2012
Pickenpaw Run	WVO-69-N-9-C	Iron	2012
Tenmile Run	WVO-69-N-9-D	Iron	2012
Glade Fork	WVO-69-N-9-E	Iron	2012
Morgan Run	WVO-69-N-10	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Stout Run	WVO-69-N-11	Fecal Coliform	2012
Trader Fork	WVO-69-N-12	Fecal Coliform	2012
Trader Fork	WVO-69-N-12	Iron	2012
North Fork/Fishing Creek	WVO-69-O	Fecal Coliform	2012
North Fork/Fishing Creek	WVO-69-O	Iron	2012
North Fork/Fishing Creek	WVO-69-O	CNA-Biological (Surrogate) *	2012
Barker Run	WVO-69-O-1	Iron	2012
Betsy Run	WVO-69-O-2	Iron	2012
Maud Run	WVO-69-O-3	Fecal Coliform	2012
Maud Run	WVO-69-O-3	Iron	2012
Fourmile Run	WVO-69-O-5	Iron	2012
Willey Fork	WVO-69-O-6	Fecal Coliform	2012
Willey Fork	WVO-69-O-6	Iron	2012
Big Run	WVO-69-O-6-A	Iron	2012
Rockcamp Run	WVO-69-O-6-B	Iron	2012
Morgan Run	WVO-69-O-6-E	Fecal Coliform	2012
Morgan Run	WVO-69-O-6-E	Iron	2012
Mobley Run	WVO-69-O-6.7	Iron	2012
Wiley Fork	WVO-69-O-7	Iron	2012
Williams Run	WVO-70	Fecal Coliform	2012
Williams Run	WVO-70	Iron	2012
Proctor Creek	WVO-72	Iron	2012
UNT/Proctor Creek RM 5.96	WVO-72-A.9	Iron	2012
Mud Run	WVO-72-D	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>MIDDLE OHIO SOUTH WATERSHED - HUC# 05030202</b>			
Ohio River (Middle South)	WVO-ms	Dioxin	2000
Ohio River (Middle South)	WVO-ms	PCBs	2002
Crooked Creek	WVO-20.5	Fecal Coliform	2012
Crooked Creek	WVO-20.5	Iron	2012
UNT/Crooked Creek RM 1.53	WVO-20.5-A	Iron	2012
UNT/Crooked Creek RM 2.03	WVO-20.5-B	Iron	2012
UNT/Crooked Creek RM 4.34	WVO-20.5-C	Iron	2012
UNT/Crooked Creek RM 6.52	WVO-20.5-F	Iron	2012
UNT/Crooked Creek RM 8.05	WVO-20.5-G	Iron	2012
Oldtown Creek	WVO-21	CNA-Biological	2012
Oldtown Creek	WVO-21	Fecal Coliform	2012
Oldtown Creek	WVO-21	Iron	2012
UNT/Oldtown Creek RM 2.00	WVO-21-0.2A	Iron	2012
Turkey Run	WVO-21-0.5A	CNA-Biological	2012
Turkey Run	WVO-21-0.5A	Fecal Coliform	2012
Turkey Run	WVO-21-0.5A	Iron	2012
Potter Creek	WVO-21-A	CNA-Biological	2012
Robinson Run	WVO-21-B	Fecal Coliform	2012
Robinson Run	WVO-21-B	Iron	2012
UNT/Robinson Run RM 2.42	WVO-21-B-0.9	CNA-Biological	2012
UNT/Robinson Run RM 2.42	WVO-21-B-0.9	Fecal Coliform	2012
UNT/Robinson Run RM 2.42	WVO-21-B-0.9	Iron	2012
UNT/Oldtown Creek RM 11.50	WVO-21-B.3	Iron	2012
UNT/Oldtown Creek RM 13.95	WVO-21-B.8	Iron	2012
UNT/Robinson Run RM 3.33	WVO-21-B-2	Fecal Coliform	2012
UNT/Robinson Run RM 3.33	WVO-21-B-2	Iron	2012
Rayburn Creek	WVO-21-B.5	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Trace Fork	WVO-21-C	Fecal Coliform	2012
Trace Fork	WVO-21-C	Iron	2012
UNT/Trace Fork RM 0.72	WVO-21-C-1	Iron	2012
UNT/Trace Fork RM 1.59	WVO-21-C-2	Iron	2012
UNT/Trace Fork RM 2.97	WVO-21-C-4	Iron	2012
Fallentimber Branch	WVO-21-D	Iron	2012
UNT/Oldtown Creek RM 18.16	WVO-21-E	Iron	2012
UNT/Oldtown Creek RM 19.38	WVO-21-H	Iron	2012
UNT/Oldtown Creek RM 20.03	WVO-21-I	Iron	2012
UNT/Mill Run RM 1.77	WVO-22-A	Iron	2012
UNT/Mill Run RM 1.81	WVO-22-B	Iron	2012
UNT/Mill Run RM 2.22	WVO-22-C	Iron	2012
UNT/Mill Run RM 3.13	WVO-22-D	Iron	2012
Mill Run	WVO-22	CNA-Biological	2012
Mill Run	WVO-22	Fecal Coliform	2012
Mill Run	WVO-22	Iron	2012
Tenmile Creek	WVO-23	CNA-Biological	2012
Tenmile Creek	WVO-23	Fecal Coliform	2012
Tenmile Creek	WVO-23	Iron	2012
UNT/Tenmile Creek RM 2.68	WVO-23-A	Iron	2012
UNT/Tenmile Creek RM 4.13	WVO-23-B.5	Fecal Coliform	2012
UNT/Tenmile Creek RM 4.13	WVO-23-B.5	Iron	2012
UNT/Tenmile Creek RM 5.33	WVO-23-C	CNA-Biological	2012
UNT/Tenmile Creek RM 5.33	WVO-23-C	Iron	2012
UNT/Tenmile Creek RM 8.02	WVO-23-H	Iron	2012
Sliding Hill Creek	WVO-24	CNA-Biological	2012
Sliding Hill Creek	WVO-24	Fecal Coliform	2012
Sliding Hill Creek	WVO-24	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Sliding Hill Creek RM 1.35	WVO-24-A	CNA-Biological	2012
UNT/Sliding Hill Creek RM 1.35	WVO-24-A	Fecal Coliform	2012
UNT/Sliding Hill Creek RM 1.35	WVO-24-A	Iron	2012
UNT/UNT RM 1.12/Sliding Hill Creek RM 1.35	WVO-24-A-1	Iron	2012
UNT/UNT RM 3.75/Sliding Hill Creek RM 1.35	WVO-24-A-5	Iron	2012
Broad Run	WVO-25	Fecal Coliform	2012
Broad Run	WVO-25	Iron	2012
Seaman Run	WVO-25-A	Iron	2012
UNT/Broad Run RM 5.39	WVO-25-G	Iron	2012
UNT/Broad Run RM 6.15	WVO-25-H	Iron	2012
Little Broad Run	WVO-26	CNA-Biological	2012
Little Broad Run	WVO-26	Fecal Coliform	2012
Little Broad Run	WVO-26	Iron	2012
West Creek	WVO-27	Fecal Coliform	2012
West Creek	WVO-27	Iron	2012
UNT/West Creek RM 1.59	WVO-27-A	Iron	2012
UNT/West Creek RM 1.69	WVO-27-B	Iron	2012
UNT/West Creek RM 3.08	WVO-27-E	Iron	2012
Little Mill Creek	WVO-31	CNA-Biological	2012
Little Mill Creek	WVO-31	Fecal Coliform	2012
Little Mill Creek	WVO-31	Iron	2012
UNT/Little Mill Creek RM 5.93	WVO-31-0.9A	Iron	2012
Right Fork/Little Mill Creek (Huff Run)	WVO-31-A	Iron	2012
Mill Creek	WVO-32	CNA-Biological	2012
Mill Creek	WVO-32	Fecal Coliform	2012
Mill Creek	WVO-32	Iron	2012
Lick Run	WVO-32-A	Iron	2012
UNT/Lick Run RM 4.74	WVO-32-A-10	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Mill Creek RM 2.36	WVO-32-A.3	Iron	2012
Falls Run	WVO-32-B	Iron	2012
Bar Run	WVO-32-C	CNA-Biological	2012
Bar Run	WVO-32-C	Fecal Coliform	2012
Bar Run	WVO-32-C	Iron	2012
UNT/Bar Run RM 0.78	WVO-32-C-4	Iron	2012
Cow Run	WVO-32-D	CNA-Biological	2012
Cow Run	WVO-32-D	Fecal Coliform	2012
Cow Run	WVO-32-D	Iron	2012
UNT/Cow Run RM 1.17	WVO-32-D-0.7	Iron	2012
Right Fork/Cow Run	WVO-32-D-1	Fecal Coliform	2012
Right Fork/Cow Run	WVO-32-D-1	Iron	2012
Grass Run	WVO-32-D-1-A	Iron	2012
Left Fork/Cow Run	WVO-32-D-2	CNA-Biological	2012
Left Fork/Cow Run	WVO-32-D-2	Fecal Coliform	2012
Left Fork/Cow Run	WVO-32-D-2	Iron	2012
UNT/Left Fork RM 2.51/Cow Run	WVO-32-D-2-E	Iron	2012
Parchment Creek	WVO-32-H	CNA-Biological	2012
Parchment Creek	WVO-32-H	Fecal Coliform	2012
Parchment Creek	WVO-32-H	Iron	2012
Johns Run	WVO-32-H-1	Iron	2012
Bull Run	WVO-32-H-3	Iron	2012
Grass Run	WVO-32-H-4	Fecal Coliform	2012
Grass Run	WVO-32-H-4	Iron	2012
Cox Fork	WVO-32-H-6	CNA-Biological	2012
Cox Fork	WVO-32-H-6	Fecal Coliform	2012
Cox Fork	WVO-32-H-6	Iron	2012
UNT/Cox Fork RM 0.86	WVO-32-H-6-0.5A	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Kessel Run	WVO-32-H-7.5	Iron	2012
Wolfe Creek	WVO-32-H-8	CNA-Biological	2012
Wolfe Creek	WVO-32-H-8	Fecal Coliform	2012
Wolfe Creek	WVO-32-H-8	Iron	2012
Sycamore Creek	WVO-32-K	CNA-Biological	2012
Sycamore Creek	WVO-32-K	Fecal Coliform	2012
Sycamore Creek	WVO-32-K	Iron	2012
Left Fork/Sycamore Creek	WVO-32-K-1	CNA-Biological	2012
Left Fork/Sycamore Creek	WVO-32-K-1	Fecal Coliform	2012
Left Fork/Sycamore Creek	WVO-32-K-1	Iron	2012
UNT/Left Fork RM 1.54/Sycamore Creek	WVO-32-K-1-E	Iron	2012
UNT/Left Fork RM 2.53/Sycamore Creek	WVO-32-K-1-H	Iron	2012
UNT/Sycamore Creek RM 4.14	WVO-32-K-10	Iron	2012
Tug Fork	WVO-32-L	Fecal Coliform	2012
Tug Fork	WVO-32-L	Iron	2012
Straight Run	WVO-32-L.5	Iron	2012
Buffalolick Run	WVO-32-L-2	Iron	2012
Bear Fork	WVO-32-L-4.5	Fecal Coliform	2012
Bear Fork	WVO-32-L-4.5	Iron	2012
Grasslick Creek	WVO-32-L-7	CNA-Biological	2012
Grasslick Creek	WVO-32-L-7	Fecal Coliform	2012
Grasslick Creek	WVO-32-L-7	Iron	2012
Stonelick Creek	WVO-32-L-7-B	Fecal Coliform	2012
Grasslick Run	WVO-32-L-7-C	Iron	2012
Bear Fork	WVO-32-L-8	CNA-Biological	2012
Bear Fork	WVO-32-L-8	Fecal Coliform	2012
Bear Fork	WVO-32-L-8	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Laurel Run	WVO-32-L-8-B	Fecal Coliform	2012
Laurel Run	WVO-32-L-8-B	Iron	2012
Laurel Fork	WVO-32-L-8-D	Iron	2012
Elk Fork	WVO-32-M	CNA-Biological	2012
Elk Fork	WVO-32-M	Fecal Coliform	2012
Elk Fork	WVO-32-M	Iron	2012
Little Mill Creek	WVO-32-N	CNA-Biological	2012
Little Mill Creek	WVO-32-N	Fecal Coliform	2012
Little Mill Creek	WVO-32-N	Iron	2012
Stationcamp Run	WVO-32-N-1	Iron	2012
Joes Run	WVO-32-N-2	Fecal Coliform	2012
Joes Run	WVO-32-N-2	Iron	2012
Right Fork/Joes Run	WVO-32-N-2-A	Iron	2012
Left Fork/Joes Run	WVO-32-N-2-B	Iron	2012
Frozenscamp Creek	WVO-32-N-3	CNA-Biological	2012
Frozenscamp Creek	WVO-32-N-3	Fecal Coliform	2012
Frozenscamp Creek	WVO-32-N-3	Iron	2012
Big Run	WVO-32-N-4	Fecal Coliform	2012
Big Run	WVO-32-N-4	Iron	2012
Right Fork/Big Run	WVO-32-N-4-B	Fecal Coliform	2012
Right Fork/Big Run	WVO-32-N-4-B	Iron	2012
Left Fork/Big Run	WVO-32-N-4-C	Fecal Coliform	2012
Left Fork/Big Run	WVO-32-N-4-C	Iron	2012
Little Creek	WVO-32-N-5	CNA-Biological	2012
Little Creek	WVO-32-N-5	Fecal Coliform	2012
Poplar Fork	WVO-32-N-5-B	Fecal Coliform	2012
Buffalo Creek	WVO-32-N-6	CNA-Biological	2012
Buffalo Creek	WVO-32-N-6	Fecal Coliform	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Buffalo Creek RM 1.53	WVO-32-N-6-E	Iron	2012
Spring Creek	WVO-33	CNA-Biological	2012
Spring Creek	WVO-33	Fecal Coliform	2012
UNT/Spring Creek RM 2.21	WVO-33-C	Iron	2012
Cedar Run	WVO-34	CNA-Biological	2012
Cedar Run	WVO-34	Fecal Coliform	2012
Stedman Run	WVO-34-B	Iron	2012
UNT/Cedar Run RM 2.11	WVO-34-F	Iron	2012
Sandy Creek	WVO-36	CNA-Biological	2012
Sandy Creek	WVO-36	Fecal Coliform	2012
Sandy Creek	WVO-36	Iron	2012
Straight Fork	WVO-36-C	Fecal Coliform	2012
Crooked Fork	WVO-36-D	CNA-Biological	2012
Crooked Fork	WVO-36-D	Fecal Coliform	2012
Crooked Fork	WVO-36-D	Iron	2012
Cockle Run	WVO-36-D-1	Iron	2012
Cherrycamp Run	WVO-36-E	Iron	2012
Trace Fork	WVO-36-G	CNA-Biological	2012
Trace Fork	WVO-36-G	Fecal Coliform	2012
Beatty Run	WVO-36-H	CNA-Biological	2012
Beatty Run	WVO-36-H	Fecal Coliform	2012
Beatty Run	WVO-36-H	Iron	2012
Right Fork/Sandy Creek	WVO-36-I	CNA-Biological	2012
Right Fork/Sandy Creek	WVO-36-I	Fecal Coliform	2012
Right Fork/Sandy Creek	WVO-36-I	Iron	2012
Biglick Run	WVO-36-I-4	Fecal Coliform	2012
Biglick Run	WVO-36-I-4	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Fallentimber Run	WVO-36-I-10	Fecal Coliform	2012
Fallentimber Run	WVO-36-I-10	Iron	2012
Rush Run	WVO-36-I-11	Iron	2012
Cabin Run	WVO-36-I-12	Fecal Coliform	2012
Cabin Run	WVO-36-I-12	Iron	2012
Brushy Fork	WVO-36-I-13	Iron	2012
Left Fork/Sandy Creek	WVO-36-J	CNA-Biological	2012
Left Fork/Sandy Creek	WVO-36-J	Fecal Coliform	2012
Left Fork/Sandy Creek	WVO-36-J	Iron	2012
Copper Fork	WVO-36-J-1	CNA-Biological	2012
Copper Fork	WVO-36-J-1	Fecal Coliform	2012
Copper Fork	WVO-36-J-1	Iron	2012
Sarvis Fork	WVO-36-J-2	Iron	2012
Turkey Fork	WVO-36-J-3	CNA-Biological	2012
Turkey Fork	WVO-36-J-3	Fecal Coliform	2012
Drift Run	WVO-36-J-4	Iron	2012
Nesselroad Run	WVO-36-J-5	CNA-Biological	2012
Nesselroad Run	WVO-36-J-5	Fecal Coliform	2012
Nesselroad Run	WVO-36-J-5	Iron	2012
Redbush Run	WVO-36-J-5-C	Fecal Coliform	2012
Redbush Run	WVO-36-J-5-C	Iron	2012
Maulecamp Run	WVO-36-J-5-E	Fecal Coliform	2012
Maulecamp Run	WVO-36-J-5-E	Iron	2012
McGraw Run	WVO-36-J-6	Iron	2012
Lockhart Fork	WVO-36-J-8	Fecal Coliform	2012
Lockhart Fork	WVO-36-J-8	Iron	2012

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Turkey Run Lake	WVO-37-(L1)	Iron	1999
Turkey Run Lake	WVO-37-(L1)	Sedimentation/Siltation	1999
Turkey Run Lake	WVO-37-(L1)	Trophic State Index	1999
Little Sandy Creek	WVO-38	Fecal Coliform	2012
Little Sandy Creek	WVO-38	Iron	2012
Roadfork Run	WVO-38-A	Fecal Coliform	2012
Roadfork Run	WVO-38-A	Iron	2012
Claylick Run	WVO-38-B	Iron	2012
Washington Run	WVO-41	CNA-Biological	2012
Washington Run	WVO-41	Fecal Coliform	2012
Washington Run	WVO-41	Iron	2012
Pond Creek	WVO-43	CNA-Biological	2012
Pond Creek	WVO-43	Fecal Coliform	2012
Pond Creek	WVO-43	Iron	2012
Long Run	WVO-43-C	Iron	2012
Little Pond Creek	WVO-43-D	Fecal Coliform	2012
Little Pond Creek	WVO-43-D	Iron	2012
Jesse Run	WVO-43-D-2	CNA-Biological	2012
Jesse Run	WVO-43-D-2	Iron	2012
UNT/Jesse Run RM 0.44	WVO-43-D-2-0.5A	Iron	2012
Right Fork/Jesse Run	WVO-43-D-2-A	Iron	2012
Left Fork/Jesse Run	WVO-43-D-2-B	Iron	2012
Lamps Run	WVO-43-D-3	Iron	2012
Jerrys Run	WVO-43-H	Fecal Coliform	2012
Jerrys Run	WVO-43-H	Iron	2012
Joshus Fork	WVO-43-K	Fecal Coliform	2012
Joshus Fork	WVO-43-K	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
South Fork/Lee Creek	WVO-44-A	CNA-Biological	2012
South Fork/Lee Creek	WVO-44-A	Fecal Coliform	2012
South Fork/Lee Creek	WVO-44-A	Iron	2012
Middle Fork/South Fork/Lee Creek	WVO-44-A-1	Fecal Coliform	2012
Middle Fork/South Fork/Lee Creek	WVO-44-A-1	Iron	2012
Willow Run	WVO-44-A-2	Fecal Coliform	2012
Willow Run	WVO-44-A-2	Iron	2012
North Fork/Lee Creek	WVO-44-B	CNA-Biological	2012
North Fork/Lee Creek	WVO-44-B	Fecal Coliform	2012
North Fork/Lee Creek	WVO-44-B	Iron	2012
UNT/North Fork RM 2.61/Lee Creek	WVO-44-B-0.8	Iron	2012
Woodyards Run	WVO-44-B-2	Fecal Coliform	2012
Woodyards Run	WVO-44-B-2	Iron	2012
UNT/Woodyards Run RM 2.03	WVO-44-B-2-G	Iron	2012
UNT/North Fork RM 10.17/Lee Creek	WVO-44-B-2.2	Iron	2012
Long Run	WVO-44-B-3	Iron	2012
Gunners Run	WVO-44-B-4	CNA-Biological	2012
Gunners Run	WVO-44-B-4	Fecal Coliform	2012
Sandy Creek	WVO-46	CNA-Biological	2012
Sandy Creek	WVO-46	Fecal Coliform	2012
Sandy Creek	WVO-46	Iron	2012
Vaughts Run	WVO-46-A	CNA-Biological	2012
Vaughts Run	WVO-46-A	Fecal Coliform	2012
Vaughts Run	WVO-46-A	Iron	2012
UNT/Sandy Creek RM 3.91	WVO-46-G	Iron	2012
UNT/Sandy Creek RM 4.06	WVO-46-H	Iron	2012
UNT/Sandy Creek RM 4.41	WVO-46-I	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Sandy Creek RM 4.97	WVO-46-J	CNA-Biological	2012
UNT/Sandy Creek RM 4.97	WVO-46-J	Fecal Coliform	2012
UNT/Sandy Creek RM 4.97	WVO-46-J	Iron	2012
Pond Run	WVO-48	CNA-Biological	2012
Pond Run	WVO-48	Fecal Coliform	2012
Pond Run	WVO-48	Iron	2012
Little Pond Run	WVO-48-A	CNA-Biological	2012
Little Pond Run	WVO-48-A	Fecal Coliform	2012
Little Pond Run	WVO-48-A	Iron	2012
Briscoe Run	WVO-49	CNA-Biological	2012
Briscoe Run	WVO-49	Fecal Coliform	2012
Briscoe Run	WVO-49	Iron	2012
Big Run	WVO-50	CNA-Biological	2012
Big Run	WVO-50	Fecal Coliform	2012
UNT/Big Run RM 0.20	WVO-50-0.2A	Iron	2012
Williams Creek	WVO-50-A	Fecal Coliform	2012
Williams Creek	WVO-50-A	Iron	2012
Plum Run	WVO-50-B	CNA-Biological	2012
Plum Run	WVO-50-B	Fecal Coliform	2012
Hogland Run	WVO-50-D	CNA-Biological	2012
Hogland Run	WVO-50-D	Fecal Coliform	2012
Hogland Run	WVO-50-D	Iron	2012

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>POTOMAC DIRECT DRAINS WATERSHED - HUC# 02070004</b>			
Elks Run	WVP-1	CNA-Biological	2008
Elks Run	WVP-1	Fecal Coliform	2008
Elk Branch	WVP-1-A	CNA-Biological	2008
Elk Branch	WVP-1-A	Fecal Coliform	2008
UNT/Potomac River RM 199.27	WVP-2.2	CNA-Biological	2008
UNT/Potomac River RM 199.27	WVP-2.2	Fecal Coliform	2008
Rockymarsh Run	WVP-3	Fecal Coliform	2016
UNT/Rockymarsh Run RM 3.99 (West Fork)	WVP-3-B	Fecal Coliform	2016
Opequon Creek	WVP-4	CNA-Biological	2008
Opequon Creek	WVP-4	Fecal Coliform	2008
Hoke Run	WVP-4-A	CNA-Biological	2008
Hoke Run	WVP-4-A	Fecal Coliform	2008
Eagle Run	WVP-4-B	CNA-Biological	2008
Eagle Run	WVP-4-B	Fecal Coliform	2008
Tuscarora Creek	WVP-4-C	CNA-Biological	2008
Tuscarora Creek	WVP-4-C	Fecal Coliform	2008
Dry Run	WVP-4-C-1	CNA-Biological	2008
Dry Run	WVP-4-C-1	Fecal Coliform	2008
Evans Run	WVP-4-D	CNA-Biological	2008
Shaw Run	WVP-4-F	CNA-Biological	2008
Shaw Run	WVP-4-F	Fecal Coliform	2008
Buzzard Run	WVP-4-H	Fecal Coliform	2008
Hopewell Run	WVP-4-I	CNA-Biological	2008
Hopewell Run	WVP-4-I	Fecal Coliform	2008
UNT/Hopewell Run RM 1.85 (South Branch)	WVP-4-I-2	Fecal Coliform	2008
Middle Creek	WVP-4-J	CNA-Biological	2008
Middle Creek	WVP-4-J	Fecal Coliform	2008

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Goose Creek	WVP-4-J-1	Fecal Coliform	2008
Three Run	WVP-4-L	Fecal Coliform	2008
Mill Creek	WVP-4-M	CNA-Biological	2008
Mill Creek	WVP-4-M	Fecal Coliform	2008
Sylvan Run	WVP-4-M-1	CNA-Biological	2008
Torytown Run	WVP-4-M-2	CNA-Biological	2008
Torytown Run	WVP-4-M-2	Fecal Coliform	2008
Turkey Run	WVP-4-N	CNA-Biological	2008
Turkey Run	WVP-4-N	Fecal Coliform	2008
Silver Spring Run	WVP-4-P	CNA-Biological	2008
Silver Spring Run	WVP-4-P	Fecal Coliform	2008
Jordan Run	WVP-4.5	Fecal Coliform	2008
Harlan Run	WVP-5	CNA-Biological	2008
Harlan Run	WVP-5	Fecal Coliform	2008
Tulissus Branch	WVP-5-A	CNA-Biological	2008
Tulissus Branch	WVP-5-A	Fecal Coliform	2008
Sleepy Creek	WVP-9	Fecal Coliform	2008
Warm Spring Run	WVP-10	Fecal Coliform	2016
UNT/Warm Spring Run RM 7.96	WVP-10-J	Fecal Coliform	2016
UNT/Warm Spring Run RM 8.98	WVP-10-K	Fecal Coliform	2016
UNT/Warm Spring Run RM 10.05	WVP-10-L	Fecal Coliform	2016

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>TUG FORK WATERSHED - HUC# 05070201</b>			
Tug Fork	WVBST	Iron	2002
Powdermill Branch	WVBST-3	CNA-Biological (Surrogate) **	2002
Powdermill Branch	WVBST-3	Iron	2002
Pigeon Creek	WVBST-24	Iron	2002
Pigeon Creek	WVBST-24	pH	2002
Laurel Fork/Pigeon Creek	WVBST-24-E	CNA-Biological (Surrogate) **	2002
Trace Fork	WVBST-24-K	CNA-Biological (Surrogate) **	2002
Simmons Fork	WVBST-24-K-8	CNA-Biological (Surrogate) **	2002
Elk Creek	WVBST-24-N	CNA-Biological (Surrogate) **	2002
Millstone Branch	WVBST-24-O	Iron	2002
Rockhouse Fork	WVBST-24-Q	CNA-Biological (Surrogate) **	2002
Sugartree Creek	WVBST-32	Iron	2002
Williamson Creek	WVBST-33	CNA-Biological (Surrogate) **	2002
Williamson Creek	WVBST-33	Iron	2002
Lick Creek	WVBST-35	CNA-Biological (Surrogate) **	2002
Dick Williamson Branch	WVBST-36	CNA-Biological (Surrogate) **	2002
Sprouse Creek	WVBST-38	CNA-Biological (Surrogate) **	2002
Sprouse Creek	WVBST-38	Iron	2002
Rutherford Branch	WVBST-40-B	CNA-Biological (Surrogate) **	2002
Rutherford Branch	WVBST-40-B	Iron	2002
Rutherford Branch	WVBST-40-B	pH	2002
Mitchell Branch	WVBST-40-C	CNA-Biological (Surrogate) **	2002
Mitchell Branch	WVBST-40-C	Iron	2002
Chafin Branch	WVBST-40-D	CNA-Biological (Surrogate) **	2002
Chafin Branch	WVBST-40-D	Iron	2002

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Thacker Creek	WVBST-42	CNA-Biological (Surrogate) **	2002
Thacker Creek	WVBST-42	Iron	2002
Thacker Creek	WVBST-42	Manganese	2002
Thacker Creek	WVBST-42	pH	2002
Scissorsville Branch	WVBST-42-A	CNA-Biological (Surrogate) **	2002
Scissorsville Branch	WVBST-42-A	Iron	2002
Scissorsville Branch	WVBST-42-A	Manganese	2002
Scissorsville Branch	WVBST-42-A	pH	2002
Mauchlinville Branch	WVBST-42-B	CNA-Biological (Surrogate) **	2002
Mauchlinville Branch	WVBST-42-B	Iron	2002
Mauchlinville Branch	WVBST-42-B	Manganese	2002
Mauchlinville Branch	WVBST-42-B	pH	2002
Grapevine Creek	WVBST-43	CNA-Biological (Surrogate) **	2002
Grapevine Creek	WVBST-43	Iron	2002
Grapevine Creek	WVBST-43	Manganese	2002
Lick Fork	WVBST-43-A	CNA-Biological (Surrogate) **	2002
Lick Fork	WVBST-43-A	Iron	2002
Left Fork/Bull Creek	WVBST-57-B	CNA-Biological (Surrogate) **	2002
Panther Creek	WVBST-60	Iron	2002
Cub Branch	WVBST-60-D	Iron	2002
Grapevine Branch	WVBST-70-F	Iron	2002
Beartown Branch	WVBST-70-I	Iron	2002
Bradshaw Creek	WVBST-70-M	CNA-Biological (Surrogate) **	2002
Groundhog Branch	WVBST-70-M-1	CNA-Biological (Surrogate) **	2002
Atwell Branch	WVBST-70-O	Iron	2002
Clear Fork Branch	WVBST-70-T-2	CNA-Biological (Surrogate) **	2002
Jacobs Fork	WVBST-70-W	CNA-Biological (Surrogate) **	2002
Lick Branch	WVBST-71	CNA-Biological (Surrogate) **	2002

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Clear Fork	WVBST-76	CNA-Biological (Surrogate) **	2002
Clear Fork	WVBST-76	Iron	2002
Shabbyroom Branch	WVBST-78-B	CNA-Biological (Surrogate) **	2002
Shabbyroom Branch	WVBST-78-B	Iron	2002
Honeycamp Branch	WVBST-78-D	Iron	2002
Coontree Branch	WVBST-78-E	CNA-Biological (Surrogate) **	2002
Coontree Branch	WVBST-78-E	Iron	2002
Stonecoal Branch	WVBST-78-F	Iron	2002
Badway Branch	WVBST-78-G	Iron	2002
Newson Branch	WVBST-78-H	CNA-Biological (Surrogate) **	2002
Newson Branch	WVBST-78-H	Iron	2002
Moorecamp Branch	WVBST-78-I	Iron	2002
Left Fork/Davy Branch	WVBST-85-A	Iron	2002
Shannon Branch	WVBST-94	Iron	2002
Upper Shannon Branch	WVBST-95	Iron	2002
Puncheoncamp Branch	WVBST-98-A	Iron	2002
Laurel Branch	WVBST-99-E	CNA-Biological (Surrogate) **	2002
North Fork/Elkhorn Creek	WVBST-99-L	CNA-Biological (Surrogate) **	2002
Little Indian Creek	WVBST-100	CNA-Biological (Surrogate) **	2002
Little Indian Creek	WVBST-100	Iron	2002
Jed Branch	WVBST-102	Iron	2002
Rock Narrows Branch	WVBST-103	Iron	2002
Harris Branch	WVBST-104	Iron	2002
Mitchell Branch	WVBST-105	Iron	2002
Sugarcamp Branch	WVBST-106	Iron	2002
Grapevine Branch	WVBST-107	Iron	2002
Sandlick Creek	WVBST-109	CNA-Biological (Surrogate) **	2002
Sandlick Creek	WVBST-109	Iron	2002

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Right Fork/Sandlick Creek	WVBST-109-A	Iron	2002
Left Fork/Sandlick Creek	WVBST-109-B	CNA-Biological (Surrogate) **	2002
Left Fork/Sandlick Creek	WVBST-109-B	Iron	2002
Adkin Branch	WVBST-110	CNA-Biological (Surrogate) **	2002
Adkin Branch	WVBST-110	Iron	2002
Belcher Branch	WVBST-111	Iron	2002
Turnhole Branch	WVBST-112	Iron	2002
Harmon Branch	WVBST-113	CNA-Biological (Surrogate) **	2002
Harmon Branch	WVBST-113	Iron	2002
South Fork/Tug Fork	WVBST-115	Iron	2002
Tea Branch	WVBST-115-A	Iron	2002
McClure Branch	WVBST-115-B	Iron	2002
Jump Branch	WVBST-115-D	Iron	2002
Spice Creek	WVBST-115-E	Iron	2002
Laurel Branch	WVBST-115-F	Iron	2002
Road Fork	WVBST-115-G	Iron	2002
Belcher Branch	WVBST-116	Iron	2002
Loop Branch	WVBST-117	CNA-Biological (Surrogate) **	2002
Loop Branch	WVBST-117	Iron	2002
Mill Branch	WVBST-118	Iron	2002
Dry Branch	WVBST-119	Iron	2002
Little Creek	WVBST-120	CNA-Biological (Surrogate) **	2002
Little Creek	WVBST-120	Iron	2002
Indian Grave Branch	WVBST-120-A	Iron	2002
Puncheoncamp Branch	WVBST-120-B	Iron	2002
Millseat Branch	WVBST-121	Iron	2002
Ballard Harmon Branch	WVBST-122	Iron	2002
Sams Branch	WVBST-123	Iron	2002

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
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## HYDROLOGIC GROUP D

### GREENBRIER WATERSHED - HUC# 05050003

Greenbrier River	WVKNG	Fecal Coliform	2008
Big Creek	WVKNG-3	Fecal Coliform	2008
Hungard Creek	WVKNG-13	Fecal Coliform	2008
Kelly Creek	WVKNG-15	Fecal Coliform	2008
Flint Hollow	WVKNG-15-A	Fecal Coliform	2008
Wolf Creek	WVKNG-18	Fecal Coliform	2008
Laurel Creek	WVKNG-18-A	Fecal Coliform	2008
Broad Run	WVKNG-18-B	Fecal Coliform	2008
Muddy Creek	WVKNG-22	Fecal Coliform	2008
Mill Creek	WVKNG-22-A	Fecal Coliform	2008
Kitchen Creek	WVKNG-22-C	Fecal Coliform	2008
Piercy's Cave Spring	WVKNG-22-E-1	Fecal Coliform	2008
Sinking Creek	WVKNG-22-E-1-B-(S)	Fecal Coliform	2008
Hughart Creek	WVKNG-22-E-1-A-(S)	Fecal Coliform	2008
Milligan Creek	WVKNG-22.7-(S)	Fecal Coliform	2008
Second Creek	WVKNG-23	Fecal Coliform	2008
Back Creek	WVKNG-23-H	Fecal Coliform	2008
Kitchen Creek	WVKNG-23-G	Fecal Coliform	2008
Monroe Draft	WVKNG-25-A	Fecal Coliform	2008
Little Creek	WVKNG-28-D	Fecal Coliform	2008
Whites Draft	WVKNG-28-F	Fecal Coliform	2008
UNT/Whites Draft RM 2.00	WVKNG-28-F-2	Fecal Coliform	2008
Meadow Creek	WVKNG-28-Q	Fecal Coliform	2008
Spring Creek	WVKNG-30	Fecal Coliform	2008

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Beaver Creek	WVKNG-47	Fecal Coliform	2008
Swago Creek	WVKNG-49	Fecal Coliform	2008
Knapp Creek	WVKNG-53	Fecal Coliform	2008
Browns Creek	WVKNG-53-C	Fecal Coliform	2008
Douthat Creek	WVKNG-53-H	Fecal Coliform	2008
Stony Creek	WVKNG-55	Fecal Coliform	2008
Indian Draft	WVKNG-55-A	Fecal Coliform	2008
Thorny Creek	WVKNG-59	Fecal Coliform	2008
UNT/Thorny Creek RM 9.27	WVKNG-59-E	Fecal Coliform	2008
Clover Creek (Cloverlick Creek)	WVKNG-61	Fecal Coliform	2008
Shock Run	WVKNG-66-D	Fecal Coliform	2008
Galford Run	WVKNG-66-E	Fecal Coliform	2008
Deer Creek	WVKNG-68	Fecal Coliform	2008
Buffalo Run	WVKNG-68-F	Fecal Coliform	2008
Allegheny Run	WVKNG-75	Fecal Coliform	2008

**JAMES WATERSHED - HUC# 2080201**

South Fork/Potts Creek	WVJ-1-E	Fecal Coliform	2008
Ray Fork	WVJ-1-E-1	CNA-Biological	2008
Ray Fork	WVJ-1-E-1	Fecal Coliform	2008
UNT/Sweet Springs Creek RM 5.55	WVJ-2-H	Fecal Coliform	2008

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>LITTLE KANAWHA WATERSHED - HUC# 05030203</b>			
Little Kanawha River	WVLK	Iron	2000
Mountwood Park Lake	WVLK-10-(L1)	Sedimentation/Siltation	1998
Reedy Creek	WVLK-25	Iron	2000
Enoch Fork	WVLK-25-B-10	CNA-Biological (Surrogate) **	2000
Fulls Fork	WVLK-25-B-9	CNA-Biological (Surrogate) **	2000
Right Fork/Reedy Creek	WVLK-25-Q	CNA-Biological (Surrogate) **	2000
Seaman Fork	WVLK-25-Q-1	CNA-Biological (Surrogate) **	2000
Tucker Run	WVLK-25-S-11	CNA-Biological (Surrogate) **	2000
Spring Creek	WVLK-31	Iron	2000
Spring Creek	WVLK-31	CNA-Biological (Surrogate) **	2000
Tanner Run	WVLK-31-X	CNA-Biological (Surrogate) **	2000
Straight Creek	WVLK-39	CNA-Biological (Surrogate) **	2000
Sinking Creek	WVLK-74	CNA-Biological (Surrogate) **	2000
Rush Run	WVLK-75-K-7	CNA-Biological (Surrogate) **	2000
Fink Creek	WVLK-75-N	CNA-Biological (Surrogate) **	2000
Isaacs Fork	WVLK-75-N-7	CNA-Biological (Surrogate) **	2000
Alum Fork	WVLK-75-Q	CNA-Biological (Surrogate) **	2000
Stewart Creek	WVLK-79	CNA-Biological (Surrogate) **	2000
Duck Creek	WVLK-82	CNA-Biological	2008
Duck Creek	WVLK-82	Iron	2008
Lynch Run	WVLK-85	CNA-Biological	2008
Lynch Run	WVLK-85	Fecal Coliform	2008
Lynch Run	WVLK-85	Manganese	2008
Lynch Run	WVLK-85	Iron	2008

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Lynch Run RM 0.91	WVLK-85-C	Iron	2008
Sand Fork	WVLK-86	Iron	2000
Duskcamp Run	WVLK-88	CNA-Biological	2008
Duskcamp Run	WVLK-88	Fecal Coliform	2008
Duskcamp Run	WVLK-88	Iron	2008
Right Fork/Duskcamp Run	WVLK-88-A	CNA-Biological	2008
Right Fork/Duskcamp Run	WVLK-88-A	Iron	2008
Copen Run	WVLK-90	Fecal Coliform	2008
Threelick Run	WVLK-94-F	CNA-Biological (Surrogate) **	2000
Saltlick Creek	WVLK-95	Iron	2000
Saltlick Pond 9	WVLK-95-(L1)	Sedimentation/Siltation	2000

**LOWER NEW WATERSHED - HUC# 05050004**

New River (Lower)	WVKN-lo	Fecal Coliform	2008
Laurel Creek	WVKN-5	Fecal Coliform	2008
Mill Creek	WVKN-7	Fecal Coliform	2008
UNT/Mill Creek RM 1.71	WVKN-7-0.5A	Fecal Coliform	2008
Osborne Creek	WVKN-7-B	CNA-Biological	2008
Osborne Creek	WVKN-7-B	Fecal Coliform	2008
Osborne Creek	WVKN-7-B	Iron	2008
UNT/Osborne Creek RM 0.62	WVKN-7-B-0.3	Fecal Coliform	2008
Marr Branch	WVKN-9	CNA-Biological	2008
Marr Branch	WVKN-9	Fecal Coliform	2008
Marr Branch	WVKN-9	Iron	2008
UNT/Marr Branch RM 1.00	WVKN-9-A	CNA-Biological	2008
UNT/Marr Branch RM 1.00	WVKN-9-A	Fecal Coliform	2008
UNT/Marr Branch RM 1.00	WVKN-9-A	Iron	2008

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Wolf Creek	WVKN-10	CNA-Biological	2008
Wolf Creek	WVKN-10	Fecal Coliform	2008
Wolf Creek	WVKN-10	Iron	2008
House Branch	WVKN-10-A	Fecal Coliform	2008
Crooked Run	WVKN-10-B	Fecal Coliform	2008
Short Creek	WVKN-10-C	Fecal Coliform	2008
UNT/Wolf Creek RM 9.08	WVKN-10-M	Aluminum (d)	2008
UNT/Wolf Creek RM 9.08	WVKN-10-M	Iron	2008
UNT/Wolf Creek RM 9.08	WVKN-10-M	pH	2008
Keeney Creek	WVKN-15	Fecal Coliform	2008
Coal Run	WVKN-16	Fecal Coliform	2008
Floyd Creek	WVKN-17-B	Aluminum (d)	2008
Floyd Creek	WVKN-17-B	CNA-Biological	2008
Floyd Creek	WVKN-17-B	Iron	2008
Floyd Creek	WVKN-17-B	pH	2008
Arbuckle Creek	WVKN-21	CNA-Biological	2008
Arbuckle Creek	WVKN-21	Fecal Coliform	2008
Arbuckle Creek	WVKN-21	Iron (trout)	2008
Rocklick Creek	WVKN-21-A	Fecal Coliform	2008
Dunloup Creek	WVKN-22	Fecal Coliform	2002
Dunloup Creek	WVKN-22	Iron	2002
Dunloup Creek	WVKN-22	Iron (trout)	2002
Meadow Fork	WVKN-22-B	Iron	2002
Meadow Fork	WVKN-22-B	pH	2002
Mill Creek	WVKN-22-K	Aluminum (d)	2008
Mill Creek	WVKN-22-K	CNA-Biological	2008
Mill Creek	WVKN-22-K	Iron	2008
Mill Creek	WVKN-22-K	pH	2008

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Piney Creek	WVKN-26	Fecal Coliform	2008
Piney Creek	WVKN-26	Iron (trout)	2008
Batoff Creek	WVKN-26-A	Iron (trout)	2008
Batoff Creek	WVKN-26-A	pH	2008
Batoff Creek	WVKN-26-A	Aluminum (trout) (d)	2008
Cranberry Creek	WVKN-26-E	CNA-Biological	2008
Cranberry Creek	WVKN-26-E	Fecal Coliform	2008
Cranberry Creek	WVKN-26-E	Iron (trout)	2008
Little Whitestick Creek	WVKN-26-E-1	Fecal Coliform	2008
Beaver Creek	WVKN-26-F	CNA-Biological	2008
Beaver Creek	WVKN-26-F	Fecal Coliform	2008
Beaver Creek	WVKN-26-F	Iron (trout)	2008
Little Beaver Creek	WVKN-26-F-2	CNA-Biological	2008
Little Beaver Creek	WVKN-26-F-2	Fecal Coliform	2008
Whitestick Creek	WVKN-26-G	CNA-Biological	2008
Whitestick Creek	WVKN-26-G	Fecal Coliform	2008
Soak Creek	WVKN-26-K	Fecal Coliform	2008
Bowyer Creek	WVKN-26-M	Fecal Coliform	2008
Bowyer Creek	WVKN-26-M	Iron	2008
Laurel Creek	WVKN-26-N	Fecal Coliform	2008
Laurel Creek	WVKN-26-N	Iron	2008
Glade Creek	WVKN-29	CNA-Biological	2008
Glade Creek	WVKN-29	Fecal Coliform	2008
Meadow Creek	WVKN-32	Fecal Coliform	2008
Brooks Branch	WVKN-42	Fecal Coliform	2008
Madam Creek	WVKN-44	Fecal Coliform	2008
Beech Run	WVKN-45	Fecal Coliform	2008

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>MONONGAHELA WATERSHED - HUC# 05020003</b>			
Camp Run	WVM-2.1	Aluminum (d)	2014
Camp Run	WVM-2.1	Iron	2014
Camp Run	WVM-2.1	pH	2014
UNT/Camp Run RM 0.79	WVM-2.1-A	Aluminum (d)	2014
UNT/Camp Run RM 0.79	WVM-2.1-A	Iron	2014
UNT/Camp Run RM 0.79	WVM-2.1-A	pH	2014
Crooked Run	WVM-2.5	Aluminum (d)	2014
Crooked Run	WVM-2.5	Fecal Coliform	2014
Crooked Run	WVM-2.5	Iron	2014
Crooked Run	WVM-2.5	pH	2014
UNT/Crooked Run RM 2.27	WVM-2.5-B	Fecal Coliform	2014
UNT/Crooked Run RM 2.27	WVM-2.5-B	Iron	2014
UNT/Crooked Run RM 2.27	WVM-2.5-B	CNA-Biological (Surrogate)	2014
UNT/Crooked Run RM 2.42	WVM-2.5-C	Iron	2014
UNT/Monongahela River RM 93.07	WVM-2.6	Aluminum (d)	2014
UNT/Monongahela River RM 93.07	WVM-2.6	Iron	2014
UNT/Monongahela River RM 93.07	WVM-2.6	pH	2014
Laurel Run	WVM-2.7	Iron	2014
West Run	WVM-3	Aluminum (d)	2014
West Run	WVM-3	Fecal Coliform	2014
West Run	WVM-3	Iron	2014
West Run	WVM-3	pH	2014
UNT/West Run RM 0.91	WVM-3-A	Chloride	2014
UNT/West Run RM 0.91	WVM-3-A	Fecal Coliform	2014
UNT/West Run RM 0.91	WVM-3-A	Iron	2014

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/West Run RM 3.79	WVM-3-D	Aluminum (d)	2014
UNT/West Run RM 3.79	WVM-3-D	Fecal Coliform	2014
UNT/West Run RM 3.79	WVM-3-D	Iron	2014
UNT/West Run RM 3.79	WVM-3-D	pH	2014
UNT/West Run RM 4.84	WVM-3-F	Iron	2014
UNT/West Run RM 5.19	WVM-3-G	Iron	2014
Robinson Run	WVM-4	Fecal Coliform	2014
Robinson Run	WVM-4	Iron	2014
Crafts Run	WVM-4-A	Aluminum (d)	2014
Crafts Run	WVM-4-A	Iron	2014
Crafts Run	WVM-4-A	pH	2014
UNT/Robinson Run RM 1.09	WVM-4-B	Aluminum (d)	2014
UNT/Robinson Run RM 1.09	WVM-4-B	Iron	2014
UNT/Robinson Run RM 1.09	WVM-4-B	pH	2014
UNT/Robinson Run RM 2.91	WVM-4-E	Iron	2014
UNT/Robinson Run RM 4.09	WVM-4-F	Iron	2014
Scotts Run	WVM-6	Fecal Coliform	2014
Scotts Run	WVM-6	Iron	2014
UNT/Scotts Run RM 1.36	WVM-6-0.5A	Iron	2014
Wades Run	WVM-6-A	Fecal Coliform	2014
Wades Run	WVM-6-A	Iron	2014
UNT/Wades Run RM 0.49	WVM-6-A-1	Iron	2014
UNT/Wades Run RM 1.34	WVM-6-A-2	Iron	2014
Guston Run	WVM-6-B	Fecal Coliform	2014
Guston Run	WVM-6-B	Iron	2014
UNT/Scotts Run RM 3.23	WVM-6-E	Iron	2014
UNT/Scotts Run RM 3.58	WVM-6-F	Iron	2014
UNT/Scotts Run RM 4.17	WVM-6-G	Iron	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Scotts Run RM 4.79	WVM-6-H	Fecal Coliform	2014
UNT/Scotts Run RM 4.79	WVM-6-H	Iron	2014
UNT/Monongahela River RM 99.49 (Popenoe Run)	WVM-6.2	Chloride	2014
UNT/Monongahela River RM 99.49 (Popenoe Run)	WVM-6.2	Fecal Coliform	2014
Dents Run	WVM-7	Fecal Coliform	2014
Dents Run	WVM-7	Iron	2014
Flaggy Meadow Run	WVM-7-A	Fecal Coliform	2014
UNT/Dents Run RM 3.60	WVM-7-C	Aluminum (d)	2014
UNT/Dents Run RM 3.60	WVM-7-C	Iron	2014
UNT/Dents Run RM 3.60	WVM-7-C	pH	2014
UNT/Dents Run RM 5.82	WVM-7-G	Iron	2014
UNT/Dents Run RM 7.26	WVM-7-K	Iron	2014
Falling Run	WVM-7.7	Fecal Coliform	2014
Deckers Creek	WVM-8	DO	2014
Deckers Creek	WVM-8	Fecal Coliform	2014
Deckers Creek	WVM-8	Iron	2014
Deckers Creek	WVM-8	CNA-Biological (Surrogate)	2014
Hartman Run	WVM-8-0.5A	Fecal Coliform	2014
Hartman Run	WVM-8-0.5A	Iron	2014
Aaron Creek	WVM-8-A	Fecal Coliform	2014
Aaron Creek	WVM-8-A	Iron	2014
Aaron Creek	WVM-8-A	CNA-Biological (Surrogate)	2014
Knocking Run	WVM-8-A.5	Fecal Coliform	2014
UNT/Deckers Creek RM 3.63	WVM-8-A.6	Iron	2014
Deep Hollow (Beulah Hollow)	WVM-8-A.7	Fecal Coliform	2014
Deep Hollow (Beulah Hollow)	WVM-8-A.7	Iron	2014
Deep Hollow (Beulah Hollow)	WVM-8-A.7	CNA-Biological (Surrogate)	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Tibbs Run	WVM-8-B	Fecal Coliform	2014
Tibbs Run	WVM-8-B	Iron	2014
Dry Run	WVM-8-B.5	Iron	2014
Falls Run	WVM-8-C	Iron	2014
Glady Run	WVM-8-D	Aluminum (d)	2014
Glady Run	WVM-8-D	Iron	2014
Glady Run	WVM-8-D	pH	2014
Glady Run	WVM-8-D	CNA-Biological (Surrogate)	2014
Slabcamp Run	WVM-8-F	Aluminum (d)	2014
Slabcamp Run	WVM-8-F	Iron	2014
Slabcamp Run	WVM-8-F	pH	2014
Dillan Creek	WVM-8-G	Aluminum (d)	2014
Dillan Creek	WVM-8-G	Fecal Coliform	2014
Dillan Creek	WVM-8-G	Iron	2014
Dillan Creek	WVM-8-G	pH	2014
UNT/Dillan Creek RM 0.30	WVM-8-G-0.3	Iron	2014
UNT/Dillan Creek RM 1.02	WVM-8-G-0.7	Iron	2014
Swamp Run	WVM-8-G-1	Iron	2014
Laurel Run/Deckers Creek	WVM-8-H	Aluminum (d)	2014
Laurel Run/Deckers Creek	WVM-8-H	Iron	2014
Laurel Run/Deckers Creek	WVM-8-H	pH	2014
UNT/Laurel Run RM 1.62	WVM-8-H-1	Iron	2014
UNT/Deckers Creek RM 17.28	WVM-8-H.4	Iron	2014
Kanes Creek	WVM-8-I	Aluminum (d)	2014
Kanes Creek	WVM-8-I	Iron	2014
Kanes Creek	WVM-8-I	pH	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Kanes Creek RM 2.36	WVM-8-I-0.9	Aluminum (d)	2014
UNT/Kanes Creek RM 2.36	WVM-8-I-0.9	Iron	2014
UNT/Kanes Creek RM 2.36	WVM-8-I-0.9	pH	2014
UNT/Kanes Creek RM 2.49	WVM-8-I-1	Aluminum (d)	2014
UNT/Kanes Creek RM 2.49	WVM-8-I-1	Iron	2014
UNT/Kanes Creek RM 2.49	WVM-8-I-1	pH	2014
UNT/Deckers Creek RM 18.48	WVM-8-J	Iron	2014
UNT/Deckers Creek RM 20.48	WVM-8-L	Iron	2014
UNT/Deckers Creek RM 20.63	WVM-8-M	Iron	2014
UNT/Deckers Creek RM 21.95	WVM-8-O	Iron	2014
Cobun Creek	WVM-9	Fecal Coliform	2014
Booths Creek	WVM-10	Iron	2014
Booths Creek	WVM-10	pH	2014
Booths Creek	WVM-10	Aluminum (d)	2014
Booths Creek	WVM-10	CNA-Biological (Surrogate)	2014
Jolliet Run	WVM-10-B	Iron	2014
Bloody Run	WVM-10-C	Iron	2014
Owl Creek	WVM-10-D	Aluminum (d)	2014
Owl Creek	WVM-10-D	Iron	2014
Owl Creek	WVM-10-D	pH	2014
UNT/Owl Creek RM 1.66	WVM-10-D-2	Iron	2014
Mays Run	WVM-10-E	pH	2014
Mays Run	WVM-10-E	Aluminum (d)	2014
Mays Run	WVM-10-E	Iron	2014
UNT/Booths Creek RM 6.27	WVM-10-F	Aluminum (d)	2014
UNT/Booths Creek RM 6.27	WVM-10-F	pH	2014
UNT/Booths Creek RM 6.27	WVM-10-F	Iron	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Booths Creek RM 7.43	WVM-10-I	Fecal Coliform	2014
UNT/Booths Creek RM 7.43	WVM-10-I	Iron	2014
Brand Run	WVM-11	Aluminum (d)	2014
Brand Run	WVM-11	Iron	2014
Brand Run	WVM-11	Manganese	2014
Brand Run	WVM-11	pH	2014
Brand Run	WVM-11	CNA-Biological (Surrogate)	2014
UNT/Brand Run RM 0.72	WVM-11-A	Iron	2014
Flaggy Meadow Run	WVM-14	Chloride	2014
Flaggy Meadow Run	WVM-14	Fecal Coliform	2014
Flaggy Meadow Run	WVM-14	Iron	2014
UNT/Flaggy Meadow Run RM 1.07	WVM-14-B	Iron	2014
UNT/Flaggy Meadow Run RM 2.15	WVM-14-D	Chloride	2014
UNT/Flaggy Meadow Run RM 2.15	WVM-14-D	Iron	2014
Birchfield Run	WVM-15	Aluminum (d)	2014
Birchfield Run	WVM-15	Iron	2014
Birchfield Run	WVM-15	pH	2014
Whiteday Creek	WVM-16	Iron (trout)	2014
UNT/Whiteday Creek RM 1.79	WVM-16-0.8A	Fecal Coliform	2014
UNT/Whiteday Creek RM 1.79	WVM-16-0.8A	Iron	2014
UNT/Whiteday Creek RM 3.49	WVM-16-A-1	Iron	2014
Laurel Run/Whiteday Creek	WVM-16-B	Iron	2014
Lick Run	WVM-16-C	Iron	2014
Laurel Run/Whiteday Creek	WVM-16-D	Fecal Coliform	2014
Laurel Run/Whiteday Creek	WVM-16-D	Iron	2014
Maple Run	WVM-16-E	Iron	2014
Cherry Run	WVM-16-F	Iron	2014
Indian Creek	WVM-17	Fecal Coliform	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Little Indian Creek	WVM-17-A	Fecal Coliform	2014
UNT/Indian Creek RM 7.23	WVM-17-E	Fecal Coliform	2014
Little Creek	WVM-18	Iron	2014
Little Creek	WVM-18	CNA-Biological (Surrogate)	2014
Prickett Creek	WVM-19	Fecal Coliform	2014
Prickett Creek	WVM-19	Iron	2014
Prickett Creek	WVM-19	CNA-Biological (Surrogate)	2014
Scratchers Run	WVM-19-A	Fecal Coliform	2014
Scratchers Run	WVM-19-A	Iron	2014
Scratchers Run	WVM-19-A	CNA-Biological (Surrogate)	2014
Reuben Run	WVM-19-B	Iron	2014
Piney Run	WVM-19-C	Iron	2014
Grassy Run	WVM-19-E	Fecal Coliform	2014
Long Run	WVM-19-F	Iron	2014
Mudlick Run	WVM-19-H	Iron	2014
Parker Run	WVM-20	Aluminum (d)	2014
Parker Run	WVM-20	Fecal Coliform	2014
Parker Run	WVM-20	Iron	2014
Parker Run	WVM-20	pH	2014
UNT/Monongahela River RM 123.45	WVM-20.2	Aluminum (d)	2014
UNT/Monongahela River RM 123.45	WVM-20.2	Iron	2014
UNT/Monongahela River RM 123.45	WVM-20.2	pH	2014
Pharaoh Run	WVM-21	Fecal Coliform	2014
Pharaoh Run	WVM-21	Iron	2014
Paw Paw Creek	WVM-22	Chloride	2014
Paw Paw Creek	WVM-22	Fecal Coliform	2014
Paw Paw Creek	WVM-22	Iron	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Little Paw Paw Creek	WVM-22-A	Fecal Coliform	2014
Little Paw Paw Creek	WVM-22-A	Iron	2014
Ministers Run	WVM-22-A-1	Iron	2014
Chunk Run	WVM-22-A-2	Iron	2014
Arnett Run	WVM-22-A.5	Iron	2014
Arnett Run	WVM-22-A.5	Selenium	2014
Tarney Run	WVM-22-A.7	Iron	2014
Panther Lick Run	WVM-22-B	Iron	2014
Robinson Run	WVM-22-C	Iron	2014
Robinson Run	WVM-22-C	CNA-Biological (Surrogate)	2014
Laurel Run	WVM-22-F	Iron	2014
Rush Run	WVM-22-G	Iron	2014
Bennefield Prong	WVM-22-H	Fecal Coliform	2014
Bennefield Prong	WVM-22-H	Iron	2014
Sugar Run	WVM-22-K	Fecal Coliform	2014
Sugar Run	WVM-22-K	Iron	2014
Harvey Run	WVM-22-L	Iron	2014
UNT/Monongahela River RM 126.94	WVM-22.9	Iron	2001
Buffalo Creek	WVM-23	Fecal Coliform	2014
Buffalo Creek	WVM-23	Iron	2014
Ices Run	WVM-23-A	Iron	2014
Finchs Run	WVM-23-B	Fecal Coliform	2014
Finchs Run	WVM-23-B	Iron	2014
UNT/Finchs Run RM 1.15	WVM-23-B-1	Fecal Coliform	2014
UNT/Finchs Run RM 1.15	WVM-23-B-1	Iron	2014
UNT/Finchs Run RM 1.15	WVM-23-B-1	CNA-Biological (Surrogate)	2014
Moody Run	WVM-23-C	Fecal Coliform	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Dunkard Mill Run	WVM-23-E	Fecal Coliform	2014
Dunkard Mill Run	WVM-23-E	Iron	2014
Bethel Run	WVM-23-E-0.5	Fecal Coliform	2014
Bethel Run	WVM-23-E-0.5	Iron	2014
UNT/Bethel Run RM 0.80	WVM-23-E-0.5-A	Fecal Coliform	2014
UNT/Bethel Run RM 0.80	WVM-23-E-0.5-A	CNA-Biological (Surrogate)	2014
Little Laurel Run	WVM-23-F	Fecal Coliform	2014
Little Laurel Run	WVM-23-F	Iron	2014
East Run	WVM-23-H	Iron	2014
Plum Run	WVM-23-I	Fecal Coliform	2014
Plum Run	WVM-23-I	Iron	2014
Carberry Run	WVM-23-I-1	Iron	2014
UNT/Plum Run RM 3.81	WVM-23-I-3	Iron	2014
Mod Run	WVM-23-K	DO	2014
Mod Run	WVM-23-K	Fecal Coliform	2014
Mod Run	WVM-23-K	Iron	2014
Mod Run	WVM-23-K	CNA-Biological (Surrogate)	2014
Little Mod Run	WVM-23-K-1	Iron	2014
Mahan Run	WVM-23-L	Fecal Coliform	2014
Mahan Run	WVM-23-L	Iron	2014
Mahan Run	WVM-23-L	CNA-Biological (Surrogate)	2014
Salt Lick Run	WVM-23-M	Iron	2014
Flaggy Meadow Run	WVM-23-N	Fecal Coliform	2014
Flaggy Meadow Run	WVM-23-N	Iron	2014
Flaggy Meadow Run	WVM-23-N	CNA-Biological (Surrogate)	2014
Fleming Fork	WVM-23-N-1	Fecal Coliform	2014
Fleming Fork	WVM-23-N-1	Iron	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Pyles Fork	WVM-23-O	Fecal Coliform	2014
Pyles Fork	WVM-23-O	Iron	2014
Flat Run	WVM-23-O-3	Chloride	2014
Flat Run	WVM-23-O-3	Fecal Coliform	2014
Flat Run	WVM-23-O-3	Iron	2014
Llewellyn Run	WVM-23-O-3-A	Chloride	2014
Llewellyn Run	WVM-23-O-3-A	Iron	2014
State Road Fork	WVM-23-O-5	Fecal Coliform	2014
State Road Fork	WVM-23-O-5	Iron	2014
State Road Fork	WVM-23-O-5	CNA-Biological (Surrogate)	2014
Campbell Run	WVM-23-O-7	Fecal Coliform	2014
Campbell Run	WVM-23-O-7	Iron	2014
Campbell Run	WVM-23-O-7	CNA-Biological (Surrogate)	2014
Messer Run	WVM-23-O-7-A	Iron	2014
Left Fork/Campbell Run	WVM-23-O-7-B	Iron	2014
Big Run	WVM-23-O-8	Iron	2014
Beechlick Run	WVM-23-O-9	Iron	2014
Dents Run	WVM-23-P	Fecal Coliform	2014
Dents Run	WVM-23-P	Iron	2014
Dents Run	WVM-23-P	CNA-Biological (Surrogate)	2014
Whetstone Run	WVM-23-Q	Fecal Coliform	2014
Whetstone Run	WVM-23-Q	Iron	2014
Joes Run	WVM-23-R	Fecal Coliform	2014
Joes Run	WVM-23-R	Iron	2014
Joes Run	WVM-23-R	CNA-Biological (Surrogate)	2014
Price Run	WVM-23-S	Iron	2014
Long Drain	WVM-23-T	Iron	2014
UNT/Buffalo Creek RM 23.53	WVM-23-T.3	Chloride	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Huey Run	WVM-23-V	Iron	2014
Owen Davy Fork	WVM-23-W	Fecal Coliform	2014
Owen Davy Fork	WVM-23-W	Iron	2014
Owen Davy Fork	WVM-23-W	CNA-Biological (Surrogate)	2014
Laurel Run	WVM-23-W-1	Iron	2014
Camp Run	WVM-23-W-2	Iron	2014
Bartholomew Fork	WVM-23-X	Fecal Coliform	2014
Bartholomew Fork	WVM-23-X	Iron	2014
Bartholomew Fork	WVM-23-X	CNA-Biological (Surrogate)	2014
Warrior Fork	WVM-23-Y	Fecal Coliform	2014
Warrior Fork	WVM-23-Y	Iron	2014
Warrior Fork	WVM-23-Y	CNA-Biological (Surrogate)	2014
Evans Run	WVM-23-Y-1	Fecal Coliform	2014
Evans Run	WVM-23-Y-1	Iron	2014
Hickman Run	WVM-24	Fecal Coliform	2014
Hickman Run	WVM-24	Iron	2014
Hickman Run	WVM-24	CNA-Biological (Surrogate)	2014
Coal Run	WVM-25	Fecal Coliform	2014
UNT/Monongahela River RM 128.55	WVM-25.9	Fecal Coliform	2014
UNT/Monongahela River RM 128.55	WVM-25.9	Iron	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>UPPER NEW WATERSHED - HUC# 05050002</b>			
Bluestone River	WVKNB	CNA-Biological	2008
Bluestone River	WVKNB	Fecal Coliform	2008
Pipestem Creek	WVKNB-1	Fecal Coliform	2008
Suck Creek	WVKNB-3-A	Fecal Coliform	2008
UNT/Jumping Branch RM 1.99	WVKNB-3-C-1-D	Fecal Coliform	2008
UNT/Jumping Branch RM 2.48	WVKNB-3-C-1-E	Fecal Coliform	2008
Mountain Creek	WVKNB-5	Fecal Coliform	2008
North Fork/Mountain Creek	WVKNB-5-B	Fecal Coliform	2008
Brush Creek	WVKNB-12	CNA-Biological	2008
Brush Creek	WVKNB-12	Fecal Coliform	2008
Brush Creek	WVKNB-12	Iron	2008
Laurel Creek	WVKNB-12-B	Fecal Coliform	2008
Glady Fork	WVKNB-12-H	Fecal Coliform	2008
South Fork/Brush Creek	WVKNB-12-J	Fecal Coliform	2008
Middle Fork/South Fork/Brush Creek	WVKNB-12-J-2	Fecal Coliform	2008
Camp Creek	WVKNB-13	Fecal Coliform	2008
Wolf Creek	WVKNB-15	Fecal Coliform	2008
Rich Creek	WVKNB-18	Fecal Coliform	2008
Rich Creek	WVKNB-18	Iron	2008
Blacklick Creek	WVKNB-22	Fecal Coliform	2008
Rocky Branch	WVKNB-22-A	Fecal Coliform	2008
Barn Branch	WVKNB-22-C	Fecal Coliform	2008
Widemouth Creek	WVKNB-28	Fecal Coliform	2008
Righthand Fork/Widemouth Creek	WVKNB-28-B	CNA-Biological	2008
Righthand Fork/Widemouth Creek	WVKNB-28-B	Fecal Coliform	2008
Righthand Fork/Widemouth Creek	WVKNB-28-B	Iron	2008
Lefthand Fork/Widemouth Creek	WVKNB-28-C	Fecal Coliform	2008

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Crane Creek	WVKNB-30	CNA-Biological	2008
Crane Creek	WVKNB-30	Fecal Coliform	2008
Crane Creek	WVKNB-30	Iron (trout)	2008
Belcher Branch	WVKNB-30-C	Iron	2008
UNT/Crane Creek RM 4.47	WVKNB-30-D.5	Fecal Coliform	2008
Simmons Creek	WVKNB-33	CNA-Biological	2008
Simmons Creek	WVKNB-33	Fecal Coliform	2008
Simmons Creek	WVKNB-33	Iron	2008
Laurel Fork	WVKNB-34.5	CNA-Biological	2008
Laurel Fork	WVKNB-34.5	Fecal Coliform	2008
Butt Hollow (Lick Branch)	WVKNB-35	Fecal Coliform	2008
Brush Fork	WVKNB-36	CNA-Biological	2008
Brush Fork	WVKNB-36	Fecal Coliform	2008
Brush Fork	WVKNB-36	Iron	2008
Neal Hollow	WVKNB-37	Fecal Coliform	2008
Indian Creek	WVKN-51	CNA-Biological	2008
Indian Creek	WVKN-51	Fecal Coliform	2008
Bradshaw Creek	WVKN-51-A	Fecal Coliform	2008
Stinking Lick Creek	WVKN-51-B	Fecal Coliform	2008
Hans Creek	WVKN-51-D	Fecal Coliform	2008
Indian Draft	WVKN-51-G	Fecal Coliform	2008
UNT/Indian Draft RM 1.46	WVKN-51-G-1	Fecal Coliform	2008
Laurel Creek	WVKN-51-H-(S)	Fecal Coliform	2008
Cooks Run	WVKN-51-I	Fecal Coliform	2008
Rock Camp Creek	WVKN-51-K	Fecal Coliform	2008
Turkey Creek	WVKN-51-O	Fecal Coliform	2008
Gin Hollow	WVKN-51-R	Fecal Coliform	2008
Burnside Branch	WVKN-51-S-1-(S)	Fecal Coliform	2008

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Adair Run	WVKN-59	Fecal Coliform	2008
East River	WVKN-60	Fecal Coliform	2008
Fivemile Creek	WVKN-60-C	Fecal Coliform	2008
Possum Hollow	WVKN-60-C-2	Fecal Coliform	2008
Hales Branch	WVKN-60-C-3	Fecal Coliform	2008
Payne Branch	WVKN-60-C-4	Fecal Coliform	2008
Rich Creek	WVKN-61	Fecal Coliform	2008
Brush Creek	WVKN-61-A	Fecal Coliform	2008
Scott Branch	WVKN-61-B	Fecal Coliform	2008
Crooked Creek	WVKN-61-C	Fecal Coliform	2008
Mud Run	WVKN-61-D	Fecal Coliform	2008
Dry Creek	WVKN-61-E	CNA-Biological	2008
Dry Creek	WVKN-61-E	Fecal Coliform	2008
Dry Creek	WVKN-61-E	Iron	2008
Painter Run	WVKN-61-E-1	Fecal Coliform	2008

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>HYDROLOGIC GROUP E</b>			
<b>CACAPON WATERSHED - HUC# 02070003</b>			
Lost River	WVPC-24	Fecal Coliform	1998
<b>DUNKARD WATERSHED - HUC# 05020005</b>			
Dunkard Creek	WVM-1	CNA-Biological	2009
Dunkard Creek	WVM-1	Fecal Coliform	2009
Dunkard Creek	WVM-1	Iron	2009
Dolls Run	WVM-1-A	CNA-Biological	2009
Dolls Run	WVM-1-A	Fecal Coliform	2009
Pedlar Run	WVM-1-A-1	CNA-Biological	2009
Pedlar Run	WVM-1-A-1	Fecal Coliform	2009
UNT/Pedlar Run RM 1.20	WVM-1-A-1-B	Fecal Coliform	2009
Smoky Drain	WVM-1-A-2	CNA-Biological	2009
Smoky Drain	WVM-1-A-2	Fecal Coliform	2009
Jakes Run	WVM-1-B.1	CNA-Biological	2009
Jakes Run	WVM-1-B.1	Fecal Coliform	2009
UNT/Jakes Run RM 2.33	WVM-1-B.1-2	Fecal Coliform	2009
UNT/Jakes Run RM 5.54	WVM-1-B.1-12	Fecal Coliform	2009
Blacks Run	WVM-1-B.3	CNA-Biological	2009
Days Run	WVM-1-C	CNA-Biological	2009
Days Run	WVM-1-C	Fecal Coliform	2009
Shriver Run	WVM-1-C-3	CNA-Biological	2009
Shriver Run	WVM-1-C-3	Fecal Coliform	2009
Shriver Run	WVM-1-C-3	Iron	2009
Building Run	WVM-1-C-3-A	Fecal Coliform	2009

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Days Run RM 5.86	WVM-1-C-4	CNA-Biological	2009
UNT/Days Run RM 5.86	WVM-1-C-4	Fecal Coliform	2009
Roberts Run	WVM-1-D.4	Fecal Coliform	2009
Miracle Run	WVM-1-E	Fecal Coliform	2009
Thomas Run	WVM-1-E-1	Fecal Coliform	2009
Right Branch/Miracle Run	WVM-1-E-2	CNA-Biological	2009
Right Branch/Miracle Run	WVM-1-E-2	Fecal Coliform	2009
Scott Run	WVM-1-E-4	Fecal Coliform	2009
West Virginia Fork/Dunkard Creek	WVM-1-F	Chloride	2009
West Virginia Fork/Dunkard Creek	WVM-1-F	Fecal Coliform	2009
West Virginia Fork/Dunkard Creek	WVM-1-F	Iron	2009
Wise Run	WVM-1-F-3	CNA-Biological	2009
Wise Run	WVM-1-F-3	Fecal Coliform	2009
Range Run	WVM-1-F-5	CNA-Biological	2009
Range Run	WVM-1-F-5	Fecal Coliform	2009
North Fork/West Virginia Fork/Dunkard Creek	WVM-1-F-6	CNA-Biological	2009
North Fork/West Virginia Fork/Dunkard Creek	WVM-1-F-6	Fecal Coliform	2009
Camp Run	WVM-1-F-6-A	CNA-Biological	2009
Camp Run	WVM-1-F-6-A	Fecal Coliform	2009
South Fork/West Virginia Fork/Dunkard Creek	WVM-1-F-7	Chloride	2009
South Fork/West Virginia Fork/Dunkard Creek	WVM-1-F-7	Fecal Coliform	2009
South Fork/West Virginia Fork/Dunkard Creek	WVM-1-F-7	Iron	2009
Middle Fork/South Fork/West Virginia Fork/Dunkard	WVM-1-F-7-A	Fecal Coliform	2009
UNT/South Fork RM 2.94/West Virginia Fork/Dunkard	WVM-1-F-7-F	Chloride	2009
Pennsylvania Fork/Dunkard Creek	WVM-1-G	Fecal Coliform	2009

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>LOWER OHIO WATERSHED - HUC# 05090101</b>			
Ohio River (Lower)	WVO-lo	Dioxin	2000
Ohio River (Lower)	WVO-lo	PCBs	2002
Fourpole Creek	WVO-3	Fecal Coliform	2002
<b>TWELVEPOLE WATERSHED - HUC# 05090102</b>			
Camp Creek	WVO-2-Q-8	Aluminum (d)	2009
Camp Creek	WVO-2-Q-8	CNA-Biological	2009
Camp Creek	WVO-2-Q-8	Iron	2009
Camp Creek	WVO-2-Q-8	pH	2009
UNT/Camp Creek RM 0.50	WVO-2-Q-8-0.5A	Aluminum (d)	2009
UNT/Camp Creek RM 0.50	WVO-2-Q-8-0.5A	pH	2009
Left Fork/Camp Creek	WVO-2-Q-8-A	Aluminum (d)	2009
Left Fork/Camp Creek	WVO-2-Q-8-A	CNA-Biological	2009
Left Fork/Camp Creek	WVO-2-Q-8-A	Fecal Coliform	2009
Left Fork/Camp Creek	WVO-2-Q-8-A	pH	2009
Tiger Fork	WVO-2-Q-8-A-1	Fecal Coliform	2009
Right Fork/Camp Creek	WVO-2-Q-8-B	Aluminum (d)	2009
Right Fork/Camp Creek	WVO-2-Q-8-B	CNA-Biological	2009
Right Fork/Camp Creek	WVO-2-Q-8-B	Iron	2009
Right Fork/Camp Creek	WVO-2-Q-8-B	pH	2009

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>UPPER GUYANDOTTE WATERSHED - HUC# 05070101</b>			
Guyandotte River (Upper)	WVOG-up	Aluminum (d)	2004
Guyandotte River (Upper)	WVOG-up	CNA-Biological	2004
Guyandotte River (Upper)	WVOG-up	Fecal Coliform	2004
Guyandotte River (Upper)	WVOG-up	Iron	2004
Island Creek	WVOG-65	Aluminum (d)	2004
Coal Branch	WVOG-65-A	CNA-Biological	2004
Coal Branch	WVOG-65-A	Iron	2004
Coal Branch	WVOG-65-A	pH	2004
Copperas Mine Fork	WVOG-65-B	Aluminum (d)	2004
Copperas Mine Fork	WVOG-65-B	CNA-Biological	2004
Copperas Mine Fork	WVOG-65-B	Iron	2004
Copperas Mine Fork	WVOG-65-B	pH	2004
Mud Fork	WVOG-65-B-1	CNA-Biological	2004
Mud Fork	WVOG-65-B-1	Iron	2004
Mud Fork	WVOG-65-B-1	pH	2004
Lower Dempsey Branch	WVOG-65-B-1-A	CNA-Biological	2004
Lower Dempsey Branch	WVOG-65-B-1-A	Iron	2004
Lower Dempsey Branch	WVOG-65-B-1-A	pH	2004
Ellis Branch	WVOG-65-B-1-B	CNA-Biological	2004
Ellis Branch	WVOG-65-B-1-B	Iron	2004
Ellis Branch	WVOG-65-B-1-B	pH	2004
Upper Dempsey Branch	WVOG-65-B-1-E	CNA-Biological	2004
Upper Dempsey Branch	WVOG-65-B-1-E	Iron	2004
Upper Dempsey Branch	WVOG-65-B-1-E	pH	2004
Trace Fork	WVOG-65-B-4	CNA-Biological	2004
Trace Fork	WVOG-65-B-4	Iron	2004
Trace Fork	WVOG-65-B-4	pH	2004

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Buffalo Creek	WVOG-75	Aluminum (trout) (d)	2004
Proctor Hollow (Mudlick Branch)	WVOG-75-C.5	CNA-Biological	2004
Proctor Hollow (Mudlick Branch)	WVOG-75-C.5	Iron	2004
Proctor Hollow (Mudlick Branch)	WVOG-75-C.5	pH	2004
Huff Creek	WVOG-76	CNA-Biological	2004
Huff Creek	WVOG-76	Iron	2004
Huff Creek	WVOG-76	Manganese	2004
Toney Fork	WVOG-76-L	CNA-Biological	2004
Toney Fork	WVOG-76-L	Iron	2004
Oldhouse Branch	WVOG-77-A.5	CNA-Biological	2004
Oldhouse Branch	WVOG-77-A.5	Iron	2004
Oldhouse Branch	WVOG-77-A.5	Manganese	2004
Oldhouse Branch	WVOG-77-A.5	pH	2004
Gilbert Creek	WVOG-89	Aluminum (d)	2004
Muzzle Creek	WVOG-92-I	CNA-Biological	2004
Muzzle Creek	WVOG-92-I	Iron	2004
Buffalo Creek	WVOG-92-K	CNA-Biological	2004
Buffalo Creek	WVOG-92-K	Iron	2004
Buffalo Creek	WVOG-92-K	pH	2004
Kezee Fork	WVOG-92-K-1	Iron	2004
Mudlick Fork	WVOG-92-K-2	Iron	2004
Pad Fork	WVOG-92-Q	Iron	2004
Righthand Fork/Pad Fork	WVOG-92-Q-1	Iron	2004
Big Cub Creek	WVOG-96	Aluminum (d)	2004
Sturgeon Branch	WVOG-96-A	Iron	2004
Road Branch	WVOG-96-B	Iron	2004
Elk Trace Branch	WVOG-96-C	Iron	2004

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Toler Hollow	WVOG-96-F	CNA-Biological	2004
Toler Hollow	WVOG-96-F	Iron	2004
McDonald Fork	WVOG-96-H	Iron	2004
Reedy Branch	WVOG-99	Iron	2004
Clear Fork	WVOGC	Aluminum (trout) (d)	2004
Clear Fork	WVOGC	CNA-Biological	2004
Clear Fork	WVOGC	Iron	2004
Lower Road Branch	WVOGC-12	Iron	2004
Laurel Fork	WVOGC-16	CNA-Biological	2004
Laurel Fork	WVOGC-16	Iron	2004
Laurel Fork	WVOGC-16	Manganese	2004
Milam Fork	WVOGC-16-M	CNA-Biological	2004
Milam Fork	WVOGC-16-M	Iron	2004
Trough Fork	WVOGC-16-P	CNA-Biological	2004
Trough Fork	WVOGC-16-P	Iron	2004
Toney Fork	WVOGC-19	CNA-Biological	2004
Toney Fork	WVOGC-19	Iron	2004
Crane Fork	WVOGC-26	CNA-Biological	2004
Crane Fork	WVOGC-26	Iron	2004
Little Cub Creek	WVOG-108	Iron	2004
Indian Creek	WVOG-110	Iron	2004
Brier Creek	WVOG-110-A	Iron	2004
Marsh Fork	WVOG-110-A-2	Iron	2004
Pinnacle Creek	WVOG-124	Iron (trout)	2004
Pinnacle Creek	WVOG-124	Manganese	2004
Smith Branch	WVOG-124-D	CNA-Biological	2004
Smith Branch	WVOG-124-D	Iron	2004
Laurel Branch/Pinnacle Creek	WVOG-124-H	Iron	2004

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Spider Creek	WVOG-124-I	Iron	2004
Cabin Creek	WVOG-127	Iron	2004
Joe Branch	WVOG-128	CNA-Biological	2004
Joe Branch	WVOG-128	Iron	2004
Long Branch	WVOG-129	CNA-Biological	2004
Long Branch	WVOG-129	Iron	2004
Still Run	WVOG-130	Iron	2004
Barkers Creek	WVOG-131	CNA-Biological	2004
Barkers Creek	WVOG-131	Iron	2004
Hickory Branch	WVOG-131-B	Iron	2004
Gooney Otter Creek	WVOG-131-F	Iron	2004
Jims Branch	WVOG-131-F-1	Iron	2004
Noseman Branch	WVOG-131-F-2	Iron	2004
Slab Fork	WVOG-134	Aluminum (trout) (d)	2004
Slab Fork	WVOG-134	CNA-Biological	2004
Slab Fork	WVOG-134	Iron	2004
Measle Fork	WVOG-134-D	Iron	2004
Measle Fork	WVOG-134-D	pH	2004
Left Fork/Allen Creek	WVOG-135-A	CNA-Biological	2004
Left Fork/Allen Creek	WVOG-135-A	Iron	2004
Devils Fork	WVOG-137	CNA-Biological	2004
Devils Fork	WVOG-137	Iron	2004
Winding Gulf	WVOG-138	Aluminum (trout) (d)	2004
Winding Gulf	WVOG-138	CNA-Biological	2004
Winding Gulf	WVOG-138	Iron	2004
Stonecoal Creek	WVOG-139	CNA-Biological	2004
Stonecoal Creek	WVOG-139	Iron	2004

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>UPPER OHIO SOUTH WATERSHED - HUC# 05030106</b>			
Ohio River (Upper South)	WVO-us	PCBs	2002
Fish Run	WVO-81	Fecal Coliform	2009
UNT/Fish Run RM 0.79	WVO-81-B	Fecal Coliform	2009
Grave Creek	WVO-83	CNA-Biological	2009
Grave Creek	WVO-83	Fecal Coliform	2009
Grave Creek	WVO-83	Iron	2009
Middle Grave Creek	WVO-83-A	CNA-Biological	2009
Middle Grave Creek	WVO-83-A	Fecal Coliform	2009
Middle Grave Creek	WVO-83-A	Iron	2009
McLain Run	WVO-83-A-0.5	Iron	2009
Toms Run	WVO-83-A-1	Fecal Coliform	2009
Toms Run	WVO-83-A-1	Iron	2009
Leach Run	WVO-83-A-1-A	Iron	2009
Little Toms Run	WVO-83-A-1.1	Fecal Coliform	2009
Meetinghouse Hollow	WVO-83-A-1.2	Iron	2009
Bartletts Run	WVO-83-A-1.3	Fecal Coliform	2009
Wells Run	WVO-83-A-1.5	Fecal Coliform	2009
North Fork/Middle Grave Creek	WVO-83-A-1.6	Fecal Coliform	2009
Whitney Run	WVO-83-A-2	CNA-Biological	2009
Whitney Run	WVO-83-A-2	Fecal Coliform	2009
Whitney Run	WVO-83-A-2	Iron	2009
UNT/Whitney Run RM 0.33	WVO-83-A-2-A	Fecal Coliform	2009
UNT/Whitney Run RM 0.33	WVO-83-A-2-A	Iron	2009
UNT/Grave Creek RM 2.41	WVO-83-A.1	Fecal Coliform	2009
Lick Run	WVO-83-B.4	Fecal Coliform	2009

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
French Run	WVO-83-B.5	Fecal Coliform	2009
Burch Run	WVO-83-C	Fecal Coliform	2009
North Fork/Grave Creek	WVO-83-E	CNA-Biological	2009
North Fork/Grave Creek	WVO-83-E	Fecal Coliform	2009
North Fork/Grave Creek	WVO-83-E	Iron	2009
Molleys Hollow	WVO-84-A.8	Fecal Coliform	2009
Jim Run	WVO-85	CNA-Biological	2009
Jim Run	WVO-85	Fecal Coliform	2009
Boggs Run	WVO-86	Fecal Coliform	2009
Boggs Run	WVO-86	Iron	2009
Browns Run	WVO-86-A	Fecal Coliform	2009
Browns Run	WVO-86-A	Iron	2009
UNT/Boggs Run RM 2.69	WVO-86-C	Chloride	2009
Caldwell Run	WVO-87	CNA-Biological	2009
Caldwell Run	WVO-87	Fecal Coliform	2009
Caldwell Run	WVO-87	Iron	2009
George Run	WVO-87-A	Fecal Coliform	2009
Wheeling Creek	WVO-88	Fecal Coliform	2009
Long Run	WVO-88-B	CNA-Biological	2009
Long Run	WVO-88-B	Fecal Coliform	2009
Long Run	WVO-88-B	Iron	2009
Waddles Run	WVO-88-B-1	CNA-Biological	2009
Waddles Run	WVO-88-B-1	Fecal Coliform	2009
Waddles Run	WVO-88-B-1	Iron	2009
UNT/Waddles Run RM 1.72	WVO-88-B-1-A	Iron	2009

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Pogue Run	WVO-88-B-2	CNA-Biological	2009
Pogue Run	WVO-88-B-2	Fecal Coliform	2009
Pogue Run	WVO-88-B-2	Iron	2009
Little Wheeling Creek	WVO-88-D	Fecal Coliform	2010
Little Wheeling Creek	WVO-88-D	Iron	2009
Peters Run	WVO-88-D-1	CNA-Biological	2009
Peters Run	WVO-88-D-1	Fecal Coliform	2009
Peters Run	WVO-88-D-1	Iron	2009
Middle Wheeling Creek	WVO-88-D-2	Fecal Coliform	2009
Middle Wheeling Creek	WVO-88-D-2	Iron	2009
UNT/Middle Wheeling Creek RM 3.05	WVO-88-D-2-0.4A	Fecal Coliform	2009
Tanyard Run	WVO-88-D-2-0.5A	Fecal Coliform	2009
Laidley Run	WVO-88-D-2-D	Fecal Coliform	2009
Todd Run	WVO-88-D-2-F	CNA-Biological	2009
Todd Run	WVO-88-D-2-F	Fecal Coliform	2009
Todd Run	WVO-88-D-2-F	Iron	2009
Bear Rock Lake # 1	WVO-88-D-2-F-(L1)	DO	1999
Bear Rock Lake # 1	WVO-88-D-2-F-(L1)	Sedimentation/Siltation	1999
Bear Rock Lake # 1	WVO-88-D-2-F-(L1)	Trophic State Index	1999
McCoy Run	WVO-88-D-3	Fecal Coliform	2009
McCoy Run	WVO-88-D-3	Iron	2009
Point Run	WVO-88-D-5	CNA-Biological	2009
Point Run	WVO-88-D-5	Fecal Coliform	2009
Point Run	WVO-88-D-5	Iron	2009
Roneys Point Run	WVO-88-D-6	CNA-Biological	2009
Roneys Point Run	WVO-88-D-6	Fecal Coliform	2009
Roneys Point Run	WVO-88-D-6	Iron	2009

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Battle Run	WVO-88-D-8	Fecal Coliform	2009
Battle Run	WVO-88-D-8	Iron	2009
McGraw Run	WVO-88-D-9	Fecal Coliform	2009
UNT/Little Wheeling Creek RM 8.97	WVO-88-D-15	Fecal Coliform	2009
Britt Run	WVO-88-E.9	Fecal Coliform	2009
Grandstaff Run	WVO-88-H	Fecal Coliform	2009
Wherry Run	WVO-88-H-2	Fecal Coliform	2009
Hollidays Run	WVO-88-H.5	Fecal Coliform	2009
Burch Run	WVO-88-I	Fecal Coliform	2009
Burch Run Lake	WVO-88-I-(L1)	Sedimentation/Siltation	1998
Burch Run Lake	WVO-88-I-(L1)	Trophic State Index	1998
Big Run	WVO-88-I-1	Fecal Coliform	2009
UNT/Big Run RM 0.26	WVO-88-I-1-A	Fecal Coliform	2009
Stull Run	WVO-88-K	Fecal Coliform	2009
UNT/Wheeling Creek RM 25.77	WVO-88-M.3	Chloride	2009
UNT/Wheeling Creek RM 25.77	WVO-88-M.3	Fecal Coliform	2009
UNT/Wheeling Creek RM 26.23	WVO-88-M.35	Fecal Coliform	2009
UNT/Wheeling Creek RM 26.55	WVO-88-M.4	Fecal Coliform	2009
Enlow Fork	WVO-88-O	Fecal Coliform	2009
Glenns Run	WVO-89	Aluminum (d)	2009
Glenns Run	WVO-89	CNA-Biological	2009
Glenns Run	WVO-89	Iron	2009
Glenns Run	WVO-89	Manganese	2009
Glenns Run	WVO-89	pH	2009
Graeb Hollow	WVO-89-A	Iron	2009
UNT/Glenns Run RM 1.38	WVO-89-B	Iron	2009

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Short Creek	WVO-90	Fecal Coliform	2009
Girty Run	WVO-90-A	Fecal Coliform	2009
North Fork/Short Creek	WVO-90-D	Chloride	2009
North Fork/Short Creek	WVO-90-D	Fecal Coliform	2009
UNT/North Fork RM 1.32/Short Creek	WVO-90-D-0.8	CNA-Biological	2009
UNT/North Fork RM 1.32/Short Creek	WVO-90-D-0.8	Fecal Coliform	2009
Huff Run	WVO-90-D-1	Chloride	2009
Huff Run	WVO-90-D-1	Fecal Coliform	2009
UNT/North Fork RM 2.55/Short Creek	WVO-90-D-1.6	Fecal Coliform	2009
UNT/North Fork RM 2.77/Short Creek	WVO-90-D-1.8	Fecal Coliform	2009
Weidman Run	WVO-90-D-2	CNA-Biological	2009
Weidman Run	WVO-90-D-2	Fecal Coliform	2009
UNT/Ohio River MP 79.4 (Harrison Run)	WVO-91	Fecal Coliform	2009
Pierce Run	WVO-92-D	CNA-Biological	2009
Pierce Run	WVO-92-D	Fecal Coliform	2009
Pierce Run	WVO-92-D	Iron	2009
UNT/Pierce Run RM 2.67	WVO-92-D-6	Fecal Coliform	2009
UNT/Buffalo Creek RM 5.18	WVO-92-E.1	Iron	2009
Mingo Run	WVO-92-G	Fecal Coliform	2009
Castleman Run	WVO-92-L	CNA-Biological	2009
Castleman Run	WVO-92-L	Fecal Coliform	2009
Castleman Run Lake	WVO-92-L-(L1)	Sedimentation/Siltation	1999
Castleman Run Lake	WVO-92-L-(L1)	Trophic State Index	1999
Longs Run	WVO-92-L-1	Fecal Coliform	2009
Rices Run	WVO-92-L-4	Fecal Coliform	2009

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
<b>WEST FORK WATERSHED - HUC# 05020002</b>			
West Fork River	WVMW	Fecal Coliform	2014
West Fork River	WVMW	Iron	2014
West Fork River	WVMW	CNA-Biological (Surrogate)	2014
Mill Fall Run	WVMW-1	Fecal Coliform	2014
Mill Fall Run	WVMW-1	Iron	2014
Mill Fall Run	WVMW-1	CNA-Biological (Surrogate)	2014
Little Mill Fall Run	WVMW-1-A	Iron	2014
Booths Creek	WVMW-2	Fecal Coliform	2014
Booths Creek	WVMW-2	Iron	2014
Booths Creek	WVMW-2	CNA-Biological (Surrogate)	2014
UNT/Booths Creek RM 1.39	WVMW-2-0.1A	Fecal Coliform	2014
UNT/Booths Creek RM 3.58	WVMW-2-0.5A	Fecal Coliform	2014
UNT/Booths Creek RM 3.58	WVMW-2-0.5A	Iron	2014
UNT/Booths Creek RM 4.11	WVMW-2-0.6A	Fecal Coliform	2014
UNT/Booths Creek RM 4.11	WVMW-2-0.6A	Iron	2014
UNT/Booths Creek RM 4.81	WVMW-2-0.8A	Iron	2014
Hog Lick Run	WVMW-2-A	Fecal Coliform	2014
Hog Lick Run	WVMW-2-A	Iron	2014
Sapp Run	WVMW-2-B	Fecal Coliform	2014
Sapp Run	WVMW-2-B	Iron	2014
Sapp Run	WVMW-2-B	CNA-Biological (Surrogate)	2014
Sweep Run	WVMW-2-C	Iron	2014
Horners Run	WVMW-2-D	Iron	2014
Purdys Run	WVMW-2-D-1	Aluminum (d)	2014
Purdys Run	WVMW-2-D-1	pH	2014
Purdys Run	WVMW-2-D-1	Iron	2014

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Booths Creek RM 8.22	WVMW-2-D.5	Iron	2014
UNT/Booths Creek RM 8.22	WVMW-2-D.5	CNA-Biological (Surrogate)	2014
Hustead Fork	WVMW-2-E	Fecal Coliform	2014
Hustead Fork	WVMW-2-E	Iron	2014
Plummer Run	WVMW-2-E-3	Iron	2014
Corbin Branch	WVMW-2-F	Fecal Coliform	2014
Corbin Branch	WVMW-2-F	Iron	2014
Corbin Branch	WVMW-2-F	CNA-Biological (Surrogate)	2014
UNT/Corbin Branch RM 2.37	WVMW-2-F-6	Iron	2014
UNT/Corbin Branch RM 3.36	WVMW-2-F-8	Iron	2014
UNT/Corbin Branch RM 3.65	WVMW-2-F-9	Iron	2014
UNT/Corbin Branch RM 4.56	WVMW-2-F-11	Iron	2014
Thomas Fork	WVMW-2-G	Fecal Coliform	2014
Thomas Fork	WVMW-2-G	Iron	2014
Thomas Fork	WVMW-2-G	CNA-Biological (Surrogate)	2014
Sugarcamp Run	WVMW-2-G-1	Iron	2014
Coons Run	WVMW-3	Fecal Coliform	2014
Coons Run	WVMW-3	Iron	2014
Helens Run	WVMW-4	Fecal Coliform	2014
Helens Run	WVMW-4	Iron	2014
Helens Run	WVMW-4	CNA-Biological (Surrogate)	2014
UNT/Helens Run RM 1.77	WVMW-4-B	Iron	2014
Tevebaugh Creek	WVMW-5	Fecal Coliform	2014
Tevebaugh Creek	WVMW-5	Iron	2014
Tevebaugh Creek	WVMW-5	CNA-Biological (Surrogate)	2014
Parrish Run	WVMW-5-A	Iron	2014
Camp Run	WVMW-6	Fecal Coliform	2014
Camp Run	WVMW-6	Iron	2014

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Bingamon Creek	WVMW-7	Chloride	2014
Bingamon Creek	WVMW-7	Fecal Coliform	2014
Bingamon Creek	WVMW-7	Iron	2014
Little Bingamon Creek	WVMW-7-A	Fecal Coliform	2014
Little Bingamon Creek	WVMW-7-A	Iron	2014
Little Bingamon Creek	WVMW-7-A	CNA-Biological (Surrogate)	2014
UNT/Little Bingamon Creek RM 1.59	WVMW-7-A-2	Fecal Coliform	2014
UNT/Little Bingamon Creek RM 1.59	WVMW-7-A-2	Iron	2014
UNT/Little Bingamon Creek RM 1.59	WVMW-7-A-2	CNA-Biological (Surrogate)	2014
UNT/Little Bingamon Creek RM 2.27	WVMW-7-A-3	Iron	2014
UNT/Little Bingamon Creek RM 3.80	WVMW-7-A-5	Iron	2014
Long Run	WVMW-7-B	Fecal Coliform	2014
Long Run	WVMW-7-B	Iron	2014
Long Run	WVMW-7-B	CNA-Biological (Surrogate)	2014
Elklick Run	WVMW-7-C	Fecal Coliform	2014
Elklick Run	WVMW-7-C	Iron	2014
Cunningham Run	WVMW-7-D	Fecal Coliform	2014
Cunningham Run	WVMW-7-D	Iron	2014
UNT/Cunningham Run RM 1.78	WVMW-7-D-2	Iron	2014
UNT/Bingamon Creek RM 8.41	WVMW-7-D.5	Iron	2014
UNT/Bingamon Creek RM 8.68	WVMW-7-D.6	Iron	2014
Big Indian Run	WVMW-7-E.7	Iron	2014
Glade Fork	WVMW-7-F	Fecal Coliform	2014
Glade Fork	WVMW-7-F	Iron	2014
Coal Lick Run	WVMW-7-F-1	Fecal Coliform	2014
Coal Lick Run	WVMW-7-F-1	Iron	2014
Coal Lick Run	WVMW-7-F-1	CNA-Biological (Surrogate)	2014
Crabapple Run	WVMW-7-F-1-A	Iron	2014

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Road Fork	WVMW-7-F-1-B	Iron	2014
Tucker Fork	WVMW-7-F-3	Iron	2014
Quaker Fork	WVMW-7-G	Fecal Coliform	2014
Quaker Fork	WVMW-7-G	Iron	2014
Quaker Fork	WVMW-7-G	CNA-Biological (Surrogate)	2014
Harris Fork	WVMW-7-H	Chloride	2014
Harris Fork	WVMW-7-H	Fecal Coliform	2014
Harris Fork	WVMW-7-H	Iron	2014
UNT/Harris Fork RM 0.65	WVMW-7-H-2	Chloride	2014
UNT/West Fork River RM 11.44	WVMW-7.1	Fecal Coliform	2014
UNT/West Fork River RM 11.44	WVMW-7.1	Iron	2014
Laurel Run	WVMW-8	Fecal Coliform	2014
Laurel Run	WVMW-8	Iron	2014
UNT/West Fork River RM 13.10	WVMW-8.5	Fecal Coliform	2014
UNT/West Fork River RM 13.10	WVMW-8.5	Iron	2014
Mudlick Run	WVMW-9	Fecal Coliform	2014
Mudlick Run	WVMW-9	Iron	2014
UNT/Mudlick Run RM 1.27	WVMW-9-A	Iron	2014
UNT/West Fork River RM 13.91	WVMW-9.5	Fecal Coliform	2014
UNT/West Fork River RM 13.91	WVMW-9.5	Iron	2014
Browns Run	WVMW-10	Fecal Coliform	2014
Browns Run	WVMW-10	Iron	2014
Shinns Run	WVMW-11	Aluminum (d)	2014
Shinns Run	WVMW-11	Fecal Coliform	2014
Shinns Run	WVMW-11	Iron	2014
Shinns Run	WVMW-11	pH	2014
UNT/Shinns Run RM 2.81	WVMW-11-C	Iron	2014

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Shinns Run RM 3.69	WVMW-11-D	Fecal Coliform	2014
UNT/Shinns Run RM 3.69	WVMW-11-D	Iron	2014
UNT/Shinns Run RM 4.15	WVMW-11-E	Aluminum (d)	2014
UNT/Shinns Run RM 4.15	WVMW-11-E	Iron	2014
UNT/Shinns Run RM 4.15	WVMW-11-E	pH	2014
UNT/Shinns Run RM 5.61	WVMW-11-F	Aluminum (d)	2014
UNT/Shinns Run RM 5.61	WVMW-11-F	Iron	2014
UNT/Shinns Run RM 5.61	WVMW-11-F	pH	2014
UNT/Shinns Run RM 5.97	WVMW-11-G	Iron	2014
Robinson Run	WVMW-12	Fecal Coliform	2014
Robinson Run	WVMW-12	Iron	2014
Pigotts Run	WVMW-12-A	Iron	2014
UNT/Robinson Run RM 1.08	WVMW-12-B	Iron	2014
Tenmile Creek	WVMW-13	Fecal Coliform	2014
Tenmile Creek	WVMW-13	Iron	2014
Jack Run	WVMW-13-0.5A	Fecal Coliform	2014
Jack Run	WVMW-13-0.5A	Iron	2014
Jones Creek	WVMW-13-A	Fecal Coliform	2014
Jones Creek	WVMW-13-A	Iron	2014
Nolan Run	WVMW-13-A-1	Fecal Coliform	2014
Nolan Run	WVMW-13-A-1	Iron	2014
UNT/Tenmile Creek RM 4.19	WVMW-13-A.8	Iron	2014
Little Tenmile Creek	WVMW-13-B	Fecal Coliform	2014
Little Tenmile Creek	WVMW-13-B	Iron	2014
UNT/Little Tenmile Creek RM 0.40	WVMW-13-B-0.5	Iron	2014
Peters Run	WVMW-13-B-1	Fecal Coliform	2014
Peters Run	WVMW-13-B-1	Iron	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Little Tenmile Creek RM 1.91	WVMW-13-B-1.5	Fecal Coliform	2014
UNT/Little Tenmile Creek RM 1.91	WVMW-13-B-1.5	Iron	2014
Bennett Run	WVMW-13-B-2	Iron	2014
UNT/Bennett Run RM 0.76	WVMW-13-B-2-A	Iron	2014
Caldwell Run	WVMW-13-B-3	Iron	2014
Laurel Run/Little Tenmile Creek	WVMW-13-B-4	Fecal Coliform	2014
Laurel Run/Little Tenmile Creek	WVMW-13-B-4	Iron	2014
Jake Run	WVMW-13-B-4.5	Iron	2014
Little Elk Creek	WVMW-13-B-5	Fecal Coliform	2014
Little Elk Creek	WVMW-13-B-5	Iron	2014
Little Elk Creek	WVMW-13-B-5	CNA-Biological (Surrogate)	2014
Big Elk Creek	WVMW-13-B-6	Fecal Coliform	2014
Middle Run/Little Tenmile Creek	WVMW-13-B-7	Fecal Coliform	2014
Middle Run/Little Tenmile Creek	WVMW-13-B-7	Iron	2014
Middle Run/Little Tenmile Creek	WVMW-13-B-7	CNA-Biological (Surrogate)	2014
Barnes Run	WVMW-13-B-8	Iron	2014
Mudlick Run	WVMW-13-B-9	Fecal Coliform	2014
Mudlick Run	WVMW-13-B-9	Iron	2014
Mudlick Run	WVMW-13-B-9	CNA-Biological (Surrogate)	2014
Isaac Creek	WVMW-13-C	Fecal Coliform	2014
Isaac Creek	WVMW-13-C	Iron	2014
Little Isaac Creek	WVMW-13-C-1	Iron	2014
Gregory Run	WVMW-13-D	Fecal Coliform	2014
Gregory Run	WVMW-13-D	Iron	2014
Katy Lick Run	WVMW-13-E	Fecal Coliform	2014
Katy Lick Run	WVMW-13-E	Iron	2014
Flag Run	WVMW-13-E.5	Fecal Coliform	2014
Flag Run	WVMW-13-E.5	Iron	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Tenmile Creek RM 10.82	WVMW-13-E.7	Fecal Coliform	2014
UNT/Tenmile Creek RM 10.82	WVMW-13-E.7	Iron	2014
UNT/Tenmile Creek RM 13.15	WVMW-13-E.8	Iron	2014
Rockcamp Run	WVMW-13-F	Fecal Coliform	2014
Rockcamp Run	WVMW-13-F	Iron	2014
Little Rockcamp Run	WVMW-13-F-1	Fecal Coliform	2014
Little Rockcamp Run	WVMW-13-F-1	Iron	2014
Little Rockcamp Run	WVMW-13-F-1	CNA-Biological (Surrogate)	2014
UNT/Little Rockcamp Run RM 1.22	WVMW-13-F-1-C	Iron	2014
Grass Run	WVMW-13-G	Fecal Coliform	2014
Grass Run	WVMW-13-G	Iron	2014
UNT/Grass Run RM 3.26	WVMW-13-G-7	Iron	2014
Indian Run	WVMW-13-H	Fecal Coliform	2014
Indian Run	WVMW-13-H	Iron	2014
UNT/Indian Run RM 3.07	WVMW-13-H-7	Iron	2014
Salem Fork	WVMW-13-I	Fecal Coliform	2014
Salem Fork	WVMW-13-I	Iron	2014
Salem Fork	WVMW-13-I	CNA-Biological (Surrogate)	2014
UNT/Salem Fork RM 2.43	WVMW-13-I-0.5	Fecal Coliform	2014
UNT/Salem Fork RM 2.43	WVMW-13-I-0.5	CNA-Biological (Surrogate)	2014
Raccoon Run	WVMW-13-I-1	Iron	2014
Cherrycamp Run	WVMW-13-I-2	Fecal Coliform	2014
Cherrycamp Run	WVMW-13-I-2	Iron	2014
Cherrycamp Run	WVMW-13-I-2	CNA-Biological (Surrogate)	2014
Patterson Fork	WVMW-13-I-3	Fecal Coliform	2014
Patterson Fork	WVMW-13-I-3	Iron	2014
Patterson Fork	WVMW-13-I-3	CNA-Biological (Surrogate)	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Patterson Fork RM 0.59	WVMW-13-I-3-B	Fecal Coliform	2014
UNT/Patterson Fork RM 0.59	WVMW-13-I-3-B	Iron	2014
UNT/Patterson Fork RM 0.59	WVMW-13-I-3-B	CNA-Biological (Surrogate)	2014
Jacobs Run	WVMW-13-I-4	Iron	2014
Rush Run	WVMW-13-I.5	Iron	2014
Turkey Foot Run	WVMW-13-J.5	Iron	2014
Wizardism Run (Holt Run)	WVMW-13-K	Iron	2014
UNT/Tenmile Creek RM 22.53	WVMW-13-M.5	Fecal Coliform	2014
UNT/Tenmile Creek RM 22.53	WVMW-13-M.5	Iron	2014
Coburn Fork	WVMW-13-N	Fecal Coliform	2014
Coburn Fork	WVMW-13-N	Iron	2014
Coburn Fork	WVMW-13-N	CNA-Biological (Surrogate)	2014
Shaw Run	WVMW-13-N-1	Fecal Coliform	2014
Shaw Run	WVMW-13-N-1	Iron	2014
Rush Run	WVMW-13-O	Iron	2014
Turtletree Fork	WVMW-13-P	Iron	2014
UNT/West Fork River RM 20.42	WVMW-14.2	Fecal Coliform	2014
UNT/West Fork River RM 20.42	WVMW-14.2	Iron	2014
Simpson Creek	WVMW-15	Fecal Coliform	2014
Simpson Creek	WVMW-15	Iron	2014
UNT/Simpson Creek RM 1.23	WVMW-15-0.5A	Iron	2014
Jack Run	WVMW-15-A	Iron	2014
Smith Run	WVMW-15-B	Aluminum (d)	2014
Smith Run	WVMW-15-B	Fecal Coliform	2014
Smith Run	WVMW-15-B	Iron	2014
Smith Run	WVMW-15-B	pH	2014
UNT/Smith Run RM 0.72	WVMW-15-B-1	Iron	2014
UNT/Simpson Creek RM 5.48	WVMW-15-B.7	Iron	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Simpson Creek RM 6.14	WVMW-15-B.8	Iron	2014
Barnett Run	WVMW-15-C	Fecal Coliform	2014
Barnett Run	WVMW-15-C	Iron	2014
Stouts Run	WVMW-15-C-1	Iron	2014
Davisson Run	WVMW-15-D	Fecal Coliform	2014
Davisson Run	WVMW-15-D	Iron	2014
Ann Run	WVMW-15-E	Fecal Coliform	2014
Ann Run	WVMW-15-E	Iron	2014
Ann Run	WVMW-15-E	CNA-Biological (Surrogate)	2014
Peddler Run	WVMW-15-F	Iron	2014
Peddler Run	WVMW-15-F	CNA-Biological (Surrogate)	2014
Beards Run	WVMW-15-G	Fecal Coliform	2014
Beards Run	WVMW-15-G	Iron	2014
Pigtail Run	WVMW-15-G-2	Iron	2014
Jerry Run	WVMW-15-H	Iron	2014
Berry Run	WVMW-15-I	Fecal Coliform	2014
Berry Run	WVMW-15-I	Iron	2014
Right Fork/Simpson Creek	WVMW-15-J	Fecal Coliform	2014
Right Fork/Simpson Creek	WVMW-15-J	Iron	2014
UNT/Right Fork RM 0.33/Simpson Creek	WVMW-15-J-0.3	Aluminum (d)	2014
UNT/Right Fork RM 0.33/Simpson Creek	WVMW-15-J-0.3	Iron	2014
UNT/Right Fork RM 0.33/Simpson Creek	WVMW-15-J-0.3	pH	2014
Buck Run	WVMW-15-J-1	Fecal Coliform	2014
Buck Run	WVMW-15-J-1	Iron	2014
Sand Lick Run	WVMW-15-J-2	Fecal Coliform	2014
Sand Lick Run	WVMW-15-J-2	Iron	2014
Gabe Fork	WVMW-15-J-3	Fecal Coliform	2014
Gabe Fork	WVMW-15-J-3	Iron	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Flag Run	WVMW-15-J-4	Iron	2014
UNT/Simpson Creek RM 21.92	WVMW-15-J.5	Fecal Coliform	2014
UNT/Simpson Creek RM 21.92	WVMW-15-J.5	Iron	2014
Bartlett Run	WVMW-15-K	Fecal Coliform	2014
Bartlett Run	WVMW-15-K	Iron	2014
UNT/Simpson Creek RM 22.72	WVMW-15-K.7	Fecal Coliform	2014
UNT/Simpson Creek RM 22.72	WVMW-15-K.7	Iron	2014
West Branch/Simpson Creek	WVMW-15-L	Iron	2014
UNT/West Branch RM 0.63/Simpson Creek	WVMW-15-L-0.5	Iron	2014
Stillhouse Run	WVMW-15-L-1	Fecal Coliform	2014
Stillhouse Run	WVMW-15-L-1	Iron	2014
UNT/West Branch RM 1.57/Simpson Creek	WVMW-15-L-2	Fecal Coliform	2014
UNT/West Branch RM 1.57/Simpson Creek	WVMW-15-L-2	Iron	2014
Camp Run	WVMW-15-M	Iron	2014
UNT/Simpson Creek RM 26.94	WVMW-15-N	Fecal Coliform	2014
UNT/Simpson Creek RM 26.94	WVMW-15-N	Iron	2014
Lambert Run	WVMW-16	Iron	2014
UNT/Lambert Run RM 1.49	WVMW-16-A	Iron	2014
UNT/Lambert Run RM 2.77	WVMW-16-B	Fecal Coliform	2014
UNT/Lambert Run RM 2.77	WVMW-16-B	Iron	2014
Jack Run	WVMW-17	Fecal Coliform	2014
Jack Run	WVMW-17	Iron	2014
Fall Run	WVMW-18	Iron	2014
Crooked Run	WVMW-19	Fecal Coliform	2014
Crooked Run	WVMW-19	Iron	2014
UNT/Crooked Run RM 0.47	WVMW-19-A	Iron	2014
Limestone Run	WVMW-20	Fecal Coliform	2014
Limestone Run	WVMW-20	Iron	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Stone Coal Run	WVMW-20-A	Fecal Coliform	2014
Stone Coal Run	WVMW-20-A	Iron	2014
Simpson Fork	WVMW-20-B	Fecal Coliform	2014
Simpson Fork	WVMW-20-B	Iron	2014
Johnson Fork	WVMW-20-C	Iron	2014
UNT/Limestone Run RM 3.97	WVMW-20-C.5	Iron	2014
Phoenix Hollow	WVMW-20-D	Fecal Coliform	2014
Phoenix Hollow	WVMW-20-D	Iron	2014
Phoenix Hollow	WVMW-20-D	CNA-Biological (Surrogate)	2014
Elk Creek	WVMW-21	Fecal Coliform	2014
Elk Creek	WVMW-21	Iron	2014
Murphy Run	WVMW-21-A	Fecal Coliform	2014
Murphy Run	WVMW-21-A	Iron	2014
UNT/Elk Creek RM 3.39	WVMW-21-A-2	Iron	2014
Ann Moore Run	WVMW-21-B	Fecal Coliform	2014
Ann Moore Run	WVMW-21-B	Iron	2014
UNT/Ann Moore Run RM 2.00	WVMW-21-B-1	Iron	2014
Nutter Run	WVMW-21-D	Fecal Coliform	2014
Nutter Run	WVMW-21-D	Iron	2014
Turkey Run	WVMW-21-E	Fecal Coliform	2014
Hooppole Run	WVMW-21-F	Fecal Coliform	2014
Hooppole Run	WVMW-21-F	Iron	2014
Brushy Fork	WVMW-21-G	Fecal Coliform	2014
Brushy Fork	WVMW-21-G	Iron	2014
UNT/Brushy Fork RM 3.37	WVMW-21-G-0.5	Fecal Coliform	2014
UNT/Brushy Fork RM 3.37	WVMW-21-G-0.5	Iron	2014
UNT/Brushy Fork RM 3.37	WVMW-21-G-0.5	CNA-Biological (Surrogate)	2014
UNT/Brushy Fork RM 4.59	WVMW-21-G-0.6	Iron	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Coplin Run	WVMW-21-G-1	Fecal Coliform	2014
Coplin Run	WVMW-21-G-1	Iron	2014
Glade Run	WVMW-21-G-2	Fecal Coliform	2014
Stonecoal Run	WVMW-21-G-3	Fecal Coliform	2014
Stonecoal Run	WVMW-21-G-3	Iron	2014
Zachs Run	WVMW-21-H	Fecal Coliform	2014
Zachs Run	WVMW-21-H	CNA-Biological (Surrogate)	2014
Chub Run	WVMW-21-I	Fecal Coliform	2014
Chub Run	WVMW-21-I	Iron	2014
Chub Run	WVMW-21-I	CNA-Biological (Surrogate)	2014
Suds Run	WVMW-21-I-1	Iron	2014
Fall Run	WVMW-21-J	Fecal Coliform	2014
Fall Run	WVMW-21-J	Iron	2014
Fall Run	WVMW-21-J	CNA-Biological (Surrogate)	2014
Hastings Run	WVMW-21-K	Fecal Coliform	2014
Hastings Run	WVMW-21-K	Iron	2014
Hastings Run	WVMW-21-K	CNA-Biological (Surrogate)	2014
Gnatty Creek	WVMW-21-M	Fecal Coliform	2014
Gnatty Creek	WVMW-21-M	Iron	2014
Rooting Creek	WVMW-21-M-1	Fecal Coliform	2014
Rooting Creek	WVMW-21-M-1	Iron	2014
UNT/Rooting Creek RM 1.54	WVMW-21-M-1-C	Iron	2014
UNT/Rooting Creek RM 5.22	WVMW-21-M-1-L	Iron	2014
Raccoon Creek	WVMW-21-M-2	Iron	2014
UNT/Gnatty Creek RM 8.02	WVMW-21-M-2.5	Iron	2014
Peeltree Run	WVMW-21-M-3	Iron	2014
Right Branch/Gnatty Creek	WVMW-21-M-5	Iron	2014
Charity Fork	WVMW-21-M-5-A	Iron	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Left Branch/Gnatty Creek	WVMW-21-M-6	Iron	2014
Cranes Fork	WVMW-21-M-6-A	Iron	2014
Stouts Run	WVMW-21-N	Fecal Coliform	2014
Stouts Run	WVMW-21-N	Iron	2014
Birds Run	WVMW-21-O	Fecal Coliform	2014
Birds Run	WVMW-21-O	Iron	2014
Arnold Run	WVMW-21-P	Fecal Coliform	2014
Arnold Run	WVMW-21-P	Iron	2014
Isaacs Run	WVMW-21-Q	Fecal Coliform	2014
Isaacs Run	WVMW-21-Q	Iron	2014
Stewart Run	WVMW-21-S	Fecal Coliform	2014
Stewart Run	WVMW-21-S	Iron	2014
UNT/Stewart Run RM 1.58	WVMW-21-S-3	Iron	2014
UNT/Elk Creek RM 27.87	WVMW-21-T.7	Fecal Coliform	2014
UNT/Elk Creek RM 27.87	WVMW-21-T.7	Iron	2014
Indian Fork	WVMW-21-U	Iron	2014
Davisson Run	WVMW-22	Fecal Coliform	2014
Davisson Run	WVMW-22	Iron	2014
Washburncamp Run	WVMW-22-A	Fecal Coliform	2014
Washburncamp Run	WVMW-22-A	Iron	2014
UNT/West Fork River RM 37.02	WVMW-22.8	Fecal Coliform	2014
UNT/West Fork River RM 37.02	WVMW-22.8	Iron	2014
UNT/West Fork River RM 37.02	WVMW-22.8	CNA-Biological (Surrogate)	2014
Browns Creek	WVMW-23	Fecal Coliform	2014
Browns Creek	WVMW-23	Iron	2014
Coburns Creek	WVMW-24	Fecal Coliform	2014
Coburns Creek	WVMW-24	Iron	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Sycamore Creek	WVMW-25	Fecal Coliform	2014
Sycamore Creek	WVMW-25	Iron	2014
UNT/Sycamore Creek RM 3.04	WVMW-25-F	Iron	2014
Lost Creek	WVMW-26	Fecal Coliform	2014
Lost Creek	WVMW-26	Iron	2014
UNT/Lost Creek RM 3.32	WVMW-26-0.5A	Fecal Coliform	2014
UNT/Lost Creek RM 3.32	WVMW-26-0.5A	Iron	2014
UNT/Lost Creek RM 4.77	WVMW-26-0.8A	Iron	2014
UNT/Lost Creek RM 5.95	WVMW-26-0.9A	Iron	2014
Bonds Run	WVMW-26-A	Fecal Coliform	2014
Bonds Run	WVMW-26-A	Iron	2014
UNT/Lost Creek RM 6.91	WVMW-26-B	Fecal Coliform	2014
UNT/Lost Creek RM 6.91	WVMW-26-B	Iron	2014
UNT/Lost Creek RM 6.91	WVMW-26-B	CNA-Biological (Surrogate)	2014
Buffalo Creek	WVMW-27	Fecal Coliform	2014
Buffalo Creek	WVMW-27	Iron	2014
UNT/Buffalo Creek RM 1.68	WVMW-27-B	Iron	2014
Duck Creek	WVMW-28	Fecal Coliform	2014
Duck Creek	WVMW-28	Iron	2014
UNT/Duck Creek RM 2.78	WVMW-28-J	Fecal Coliform	2014
UNT/Duck Creek RM 2.78	WVMW-28-J	Iron	2014
Isaacs Creek	WVMW-29	Fecal Coliform	2014
Isaacs Creek	WVMW-29	Iron	2014
Isaacs Creek	WVMW-29	CNA-Biological (Surrogate)	2014
UNT/Isaacs Creek RM 2.90	WVMW-29-D	Fecal Coliform	2014
UNT/Isaacs Creek RM 2.90	WVMW-29-D	Iron	2014
UNT/Isaacs Creek RM 2.90	WVMW-29-D	CNA-Biological (Surrogate)	2014
UNT/West Fork River RM 54.90	WVMW-29.9	Iron	2014

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## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Two Lick Creek	WVMW-30	Fecal Coliform	2014
Two Lick Creek	WVMW-30	Iron	2014
UNT/West Fork River RM 56.68	WVMW-30.9	Iron	2014
Hackers Creek	WVMW-31	Fecal Coliform	2014
Hackers Creek	WVMW-31	Iron	2014
McKinney Run	WVMW-31-A	Fecal Coliform	2014
McKinney Run	WVMW-31-A	Iron	2014
UNT/McKinney Run RM 1.55	WVMW-31-A-2	Iron	2014
West Run	WVMW-31-B	Fecal Coliform	2014
West Run	WVMW-31-B	Iron	2014
West Run	WVMW-31-B	CNA-Biological (Surrogate)	2014
Jesse Run	WVMW-31-C	Fecal Coliform	2014
Jesse Run	WVMW-31-C	Iron	2014
Jesse Run	WVMW-31-C	CNA-Biological (Surrogate)	2014
UNT/Jesse Run RM 2.65	WVMW-31-C-0.6	Iron	2014
UNT/Jesse Run RM 3.51	WVMW-31-C-0.7	Iron	2014
Bills Lick	WVMW-31-C-1	Iron	2014
UNT/Jesse Run RM 6.59	WVMW-31-C-5	Iron	2014
Lifes Run	WVMW-31-D	Fecal Coliform	2014
Lifes Run	WVMW-31-D	Iron	2014
Lifes Run	WVMW-31-D	CNA-Biological (Surrogate)	2014
Stony Run	WVMW-31-E	Fecal Coliform	2014
Stony Run	WVMW-31-E	Iron	2014
Bloody Run	WVMW-31-E.5	Fecal Coliform	2014
Bloody Run	WVMW-31-E.5	Iron	2014
UNT/Hackers Creek RM 13.79	WVMW-31-E.7	Iron	2014

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Laurel Lick	WVMW-31-F	Fecal Coliform	2014
Laurel Lick	WVMW-31-F	Iron	2014
Laurel Lick	WVMW-31-F	CNA-Biological (Surrogate)	2014
UNT/Laurel Lick RM 1.12	WVMW-31-F-3	Iron	2014
Buckhannon Run	WVMW-31-G	Fecal Coliform	2014
Buckhannon Run	WVMW-31-G	Iron	2014
Buckhannon Run	WVMW-31-G	CNA-Biological (Surrogate)	2014
Frog Run	WVMW-31-G-1	Iron	2014
Lefthand Fork	WVMW-31-H	Fecal Coliform	2014
Lefthand Fork	WVMW-31-H	Iron	2014
Lefthand Fork	WVMW-31-H	CNA-Biological (Surrogate)	2014
Kincheloe Creek	WVMW-32	Fecal Coliform	2014
Kincheloe Creek	WVMW-32	Iron	2014
Hollick Run	WVMW-32-A	Iron	2014
Browns Run	WVMW-32-B	Fecal Coliform	2014
Browns Run	WVMW-32-B	Iron	2014
UNT/Browns Run RM 0.30	WVMW-32-B-1	Iron	2014
Right Fork/Kincheloe Creek	WVMW-32-E	Fecal Coliform	2014
Right Fork/Kincheloe Creek	WVMW-32-E	Iron	2014
Right Fork/Kincheloe Creek	WVMW-32-E	CNA-Biological (Surrogate)	2014
Stutler Fork	WVMW-32-E-1	Iron	2014
Tanner Fork	WVMW-32-G	Fecal Coliform	2014
Tanner Fork	WVMW-32-G	Iron	2014
Tanner Fork	WVMW-32-G	CNA-Biological (Surrogate)	2014
Broad Run	WVMW-33	Iron	2014
McCann Run	WVMW-34	Fecal Coliform	2014
McCann Run	WVMW-34	Iron	2014
McCann Run	WVMW-34	CNA-Biological (Surrogate)	2014

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Sycamore Lick	WVMW-35	Fecal Coliform	2014
Sycamore Lick	WVMW-35	Iron	2014
Sycamore Lick	WVMW-35	CNA-Biological (Surrogate)	2014
Freemans Creek	WVMW-36	Fecal Coliform	2014
Freemans Creek	WVMW-36	Iron	2014
Freemans Creek	WVMW-36	CNA-Biological (Surrogate)	2014
Geelick Run	WVMW-36-A	Fecal Coliform	2014
Geelick Run	WVMW-36-A	Iron	2014
Geelick Run	WVMW-36-A	CNA-Biological (Surrogate)	2014
Horse Run	WVMW-36-B	Iron	2014
Millstone Run	WVMW-36-C	Iron	2014
Mare Run	WVMW-36-C.5	Fecal Coliform	2014
Mare Run	WVMW-36-C.5	Iron	2014
Right Fork/Freemans Creek	WVMW-36-D	Fecal Coliform	2014
Right Fork/Freemans Creek	WVMW-36-D	Iron	2014
Elk Lick Run	WVMW-36-D.5	Iron	2014
Left Fork/Freemans Creek	WVMW-36-E	Fecal Coliform	2014
Left Fork/Freemans Creek	WVMW-36-E	Iron	2014
Left Fork/Freemans Creek	WVMW-36-E	CNA-Biological (Surrogate)	2014
Rush Run	WVMW-36-E-1	Iron	2014
UNT/West Fork River RM 65.49	WVMW-36.4	Fecal Coliform	2014
UNT/West Fork River RM 65.49	WVMW-36.4	Iron	2014
UNT/West Fork River RM 65.49	WVMW-36.4	CNA-Biological (Surrogate)	2014
Maxwell Run	WVMW-37	Fecal Coliform	2014
Maxwell Run	WVMW-37	Iron	2014
Maxwell Run	WVMW-37	CNA-Biological (Surrogate)	2014

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Stonecoal Creek	WVMW-38	Fecal Coliform	2014
Stonecoal Creek	WVMW-38	Iron	2014
Stonecoal Creek	WVMW-38	CNA-Biological (Surrogate)	2014
Smith Run	WVMW-38-A	Iron	2014
UNT/Stonecoal Creek RM 2.43	WVMW-38-A.6	Fecal Coliform	2014
UNT/Stonecoal Creek RM 2.43	WVMW-38-A.6	Iron	2014
UNT/Stonecoal Creek RM 2.43	WVMW-38-A.6	CNA-Biological (Surrogate)	2014
Mud Lick	WVMW-38-B	Iron	2014
Hilly Upland Run	WVMW-38-C	Fecal Coliform	2014
Hilly Upland Run	WVMW-38-C	Iron	2014
Hilly Upland Run	WVMW-38-C	CNA-Biological (Surrogate)	2014
Grass Run	WVMW-38-E	Fecal Coliform	2014
Grass Run	WVMW-38-E	Iron	2014
Right Fork/Stonecoal Creek	WVMW-38-G	Fecal Coliform	2014
Right Fork/Stonecoal Creek	WVMW-38-G	Iron	2014
Pringle Fork	WVMW-38-G-3	Fecal Coliform	2014
Pringle Fork	WVMW-38-G-3	Iron	2014
Spruce Fork	WVMW-38-G-6	Fecal Coliform	2014
Spruce Fork	WVMW-38-G-6	Iron	2014
Spruce Fork	WVMW-38-G-6	CNA-Biological (Surrogate)	2014
Glady Fork	WVMW-38-G-7	Fecal Coliform	2014
Glady Fork	WVMW-38-G-7	Iron	2014
Glady Fork	WVMW-38-G-7	CNA-Biological (Surrogate)	2014
Fall Run	WVMW-38-G-7-A	Fecal Coliform	2014
Fall Run	WVMW-38-G-7-A	Iron	2014
Fall Run	WVMW-38-G-7-A	CNA-Biological (Surrogate)	2014
UNT/Glady Fork RM 1.45	WVMW-38-G-7-D	Iron	2014

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Polk Creek	WVMW-39	Fecal Coliform	2014
Polk Creek	WVMW-39	Iron	2014
Polk Creek	WVMW-39	CNA-Biological (Surrogate)	2014
Keith Fork	WVMW-39-A	Iron	2014
Dry Fork	WVMW-39-B	Fecal Coliform	2014
Dry Fork	WVMW-39-B	Iron	2014
Dry Fork	WVMW-39-B	CNA-Biological (Surrogate)	2014
Sassafras Run	WVMW-39-C	Fecal Coliform	2014
Murphy Creek	WVMW-41	Fecal Coliform	2014
Murphy Creek	WVMW-41	Iron	2014
Sand Run	WVMW-41-A	Iron	2014
Limestone Run	WVMW-41-C	Iron	2014
Middle Run	WVMW-42	Iron	2014
Rush Run	WVMW-43	Fecal Coliform	2014
Rush Run	WVMW-43	Iron	2014
Stone Lick	WVMW-44	Fecal Coliform	2014
Washburn Run	WVMW-45	Iron	2014
Skin Creek	WVMW-46	Fecal Coliform	2014
Skin Creek	WVMW-46	Iron	2014
Skin Creek	WVMW-46	CNA-Biological (Surrogate)	2014
Wolf Fork	WVMW-46-A	Fecal Coliform	2014
Glady Fork	WVMW-46-B	Fecal Coliform	2014
Glady Fork	WVMW-46-B	Iron	2014
Linger Run	WVMW-46-C-6	Fecal Coliform	2014
Hughes Fork	WVMW-46-G	Iron	2014
Hughes Fork	WVMW-46-G	CNA-Biological (Surrogate)	2014
Keith Fork	WVMW-46-I	Iron	2014
Wheeler Fork	WVMW-46-K	Iron	2014

\* Implementation of TMDL should resolve these Bio impairments.

## Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Wildcat Run	WVMW-46-L	Iron	2014
UNT/Skin Creek RM 12.34	WVMW-46-M	Iron	2014
Canoe Run	WVMW-49	Fecal Coliform	2014
Canoe Run	WVMW-49	Iron	2014
Sand Fork	WVMW-50	Iron	2014
Sand Fork	WVMW-50	CNA-Biological (Surrogate)	2014
Dunkin Run	WVMW-50-A	Iron	2014
Sammy Run	WVMW-50-E	Fecal Coliform	2014
Sammy Run	WVMW-50-E	Iron	2014
Abrams Run	WVMW-54	Fecal Coliform	2014
Abrams Run	WVMW-54	Iron	2014
Right Fork/West Fork River	WVMW-55	Fecal Coliform	2014
Right Fork/West Fork River	WVMW-55	Iron	2014
Right Fork/West Fork River	WVMW-55	CNA-Biological (Surrogate)	2014
Big Run	WVMW-55-A	Fecal Coliform	2014
Big Run	WVMW-55-A	Iron	2014
Big Run	WVMW-55-A	CNA-Biological (Surrogate)	2014
Sugarcamp Run	WVMW-55-C	Fecal Coliform	2014
McChord Run	WVMW-55-D	Iron	2014
Laurel Run	WVMW-58	Iron	2014
Wolfpen Run	WVMW-59	Iron	2014
Fall Run	WVMW-60	Iron	2014
Straight Fork	WVMW-61	Iron	2014
Crooked Run	WVMW-62	Iron	2014
Whites Camp Fork	WVMW-63	Iron	2014

\* Implementation of TMDL should resolve these Bio impairments.



## **Supplemental Table B1 - Existing TMDL Resolves Newly Identified Impairment**

This table lists waters with newly identified impairments that occur in the watersheds of existing TMDLs. While TMDLs are not prescribed for these waters specifically, implementation of load and wasteload allocations for the pollutant of concern in the drainage areas for these waters is expected to resolve impairment.

**Supplemental Table B1 - Waters where existing TMDL  
resolves newly identified impairment**

Stream Name	Stream Code	Criteria	TMDL Date
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## HYDROLOGIC GROUP A

### SOUTH BRANCH POTOMAC WATERSHED - HUC# 02070001

Durgon Creek	WVPSB-23	Fecal Coliform	1998
North Fork/Lunice Creek	WVPSB-26-E	Fecal Coliform	1998

### UPPER KANAWHA WATERSHED - HUC# 05050006

UNT/Left Fork RM 1.18/Laurel Fork	WVK-61-H-1-A-3	Selenium	2015
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## HYDROLOGIC GROUP B

### COAL WATERSHED - HUC# 05050009

UNT/James Creek RM 0.22 (Left Fork)	WVKC-10-U-7-I-1	Selenium	2006
UNT/UNT RM 0.86/James Creek RM 0.22	WVKC-10-U-7-I-1-A	Selenium	2006
UNT/James Creek RM 0.76	WVKC-10-U-7-I-2	Selenium	2006
Right Fork/White Oak Creek	WVKC-35-F	Selenium	2006
UNT/UNT RM 0.18/Big Coal River RM 32.06	WVKC-35.8-A	pH	2006
Culvert Hollow	WVKC-42-A	Selenium	2006
Coon Hollow	WVKC-46-A-2	Iron	2006
Slip Ridge Branch	WVKC-46-A-7	Iron	2006

## Supplemental Table B1 - Waters where existing TMDL resolves newly identified impairment

Stream Name	Stream Code	Criteria	TMDL Date
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### ELK WATERSHED - HUC# 05050007

Bullpen Fork	WVKE-46-C-1	Selenium	2012
Cannel Coal Hollow	WVKE-46-C-2	Selenium	2012
Jim Young Fork	WVKE-50-B-7	pH	2012
Ramp Run	WVKE-50-W	Iron	2012
UNT/Carpenter Fork RM 1.55	WVKE-76-E-7-C	Iron	2012
May Fork	WVKE-76-P-2	Iron	2012
Cat Run	WVKE-76-R-1	Selenium	2012
Bragg Run	WVKE-76-S	Selenium	2012
Otter Hole	WVKE-76-S.3	Selenium	2012
Kate Run	WVKE-76-S.5	Selenium	2012
Cobb Run	WVKE-76-S.6	Selenium	2012

### LOWER KANAWHA WATERSHED - HUC# 05050008

Heizer Creek	WVKP-1	Dioxin	2000
Manila Creek	WVKP-1-A	Dioxin	2000

### TYGART VALLEY WATERSHED - HUC# 05020001

UNT/Raccoon Creek RM 6.63	WVMT-12-C-10	Aluminum (d)	2016
UNT/Raccoon Creek RM 6.63	WVMT-12-C-10	Iron	2016
UNT/Raccoon Creek RM 6.63	WVMT-12-C-10	pH	2016
Brains Creek	WVMT-12-G-2	Aluminum (trout) (d)	2016
Brains Creek	WVMT-12-G-2	pH	2016
UNT/Birds Creek RM 2.57	WVMT-12-H-4	Iron	2016
UNT/Birds Creek RM 2.93	WVMT-12-H-6	Aluminum (d)	2016
UNT/Birds Creek RM 2.93	WVMT-12-H-6	pH	2016
UNT/Birds Creek RM 3.46	WVMT-12-H-7	Aluminum (d)	2016
UNT/Birds Creek RM 3.46	WVMT-12-H-7	pH	2016

**Supplemental Table B1 - Waters where existing TMDL  
resolves newly identified impairment**

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Birds Creek RM 4.25	WVMT-12-H-8	Aluminum (d)	2016
UNT/Birds Creek RM 4.25	WVMT-12-H-8	Iron	2016
UNT/Birds Creek RM 4.25	WVMT-12-H-8	pH	2016
UNT/Big Run RM 3.19	WVMTB-3-D	Iron	2016
UNT/Buckhannon River RM 31.07	WVMTB-19.5	Iron	2016
UNT/Laurel Run RM 0.45	WVMT-37-A-1	Aluminum (d)	2016
UNT/Laurel Run RM 0.45	WVMT-37-A-1	pH	2016
UNT/Beaver Creek RM 4.01	WVMT-37-B	pH	2016

## HYDROLOGIC GROUP C

### GAULEY WATERSHED - HUC# 05050005

Lick Branch	WVKG-6-A	Iron	2008
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### LOWER GUYANDOTTE WATERSHED - HUC# 05070102

Berry Branch	WVOGM-44	Selenium	2004
Mullins Branch	WVOGM-45	Selenium	2004
Lukey Fork	WVOGM-50	Selenium	2004

**Supplemental Table B1 - Waters where existing TMDL  
resolves newly identified impairment**

Stream Name	Stream Code	Criteria	TMDL Date
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## HYDROLOGIC GROUP D

### LOWER NEW WATERSHED - HUC# 05050004

Mill Creek	WVKN-22-K	Fecal Coliform	2008
Stanaford Branch	WVKN-26-C	Fecal Coliform	2008
Lick Creek	WVKN-35	Fecal Coliform	2008

### MONONGAHELA WATERSHED - HUC# 05020003

Robinson Run	WVM-4	pH	2014
UNT/Owl Creek RM 1.66	WVM-10-D-2	pH	2014

## HYDROLOGIC GROUP E

### CACAPON WATERSHED - HUC# 02070003

Upper Cove Run	WVPC-24-K	Fecal Coliform	1998
Cullers Run	WVPC-24-M	Fecal Coliform	1998

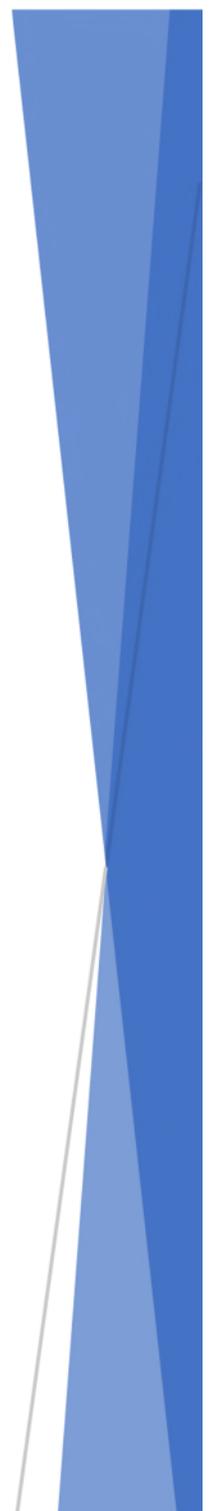
### WEST FORK WATERSHED - HUC# 05020002

UNT/Lost Creek RM 4.23	WVMW-26-0.6A	Iron	2014
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## **Supplemental Table C - Water Quality Improvements**

The goal of TMDLs and stream restoration projects is to bring the stream back to the point where it meets its designated uses and the associated water quality criteria.

This table lists streams with improved water quality due to TMDL implementation or pre-TMDL stream restoration work resulting in delisting. Delisting occurs when sufficient data provides clear evidence that the criteria for listing are no longer met. In the Integrated Report, the waters in Supplement C can be included in Category 1 if all designated uses are being met provided that impairments for other uses/pollutants are not evidenced.



## Supplemental Table C - Water Quality Improvements

Stream Name	Stream Code	Criteria	Improved reach description	Date added
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## HYDROLOGIC GROUP A

### CHEAT WATERSHED - HUC# 05020004

Cheat River	WVMC	pH	Cheat Lake to RM 26.5 (Pringle Run)	2012
Cheat River	WVMC	Zinc	Cheat Lake to RM 17.7 (Muddy CK)	2012
UNT/Heather Run RM 1.47	WVMC-24-A	Iron	Entire length	2012
UNT/Heather Run RM 1.47	WVMC-24-A	Manganese	Entire length	2012
UNT/Heather Run RM 1.47	WVMC-24-A	pH	Entire length	2012
UNT/Pringle Run RM 1.75	WVMC-27-A	Iron	Entire length	2012
UNT/Pringle Run RM 1.75	WVMC-27-A	Manganese	Entire length	2012
UNT/Pringle Run RM 1.75	WVMC-27-A	pH	Entire length	2012
Snyder Run	WVMC-60-D-3-C	Iron	Entire length	2012
Hawkins Run	WVMC-60-D-5-C	Iron	Entire length	2012

### SOUTH BRANCH POTOMAC WATERSHED - HUC# 02070001

South Fork/South Branch Potomac River	WVPSB-21	Fecal Coliform	Entire length	2002
North Fork/South Branch Potomac River	WVPSB-28	Fecal Coliform	Entire length	2002

## Supplemental Table C - Water Quality Improvements

Stream Name	Stream Code	Criteria	Improved reach description	Date added
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## HYDROLOGIC GROUP B

### ELK WATERSHED - HUC# 05050007

Elk River	WVKE	Lead	Mouth to RM 21.8 (confluence of Big Sandy)	2012
Fall Run	WVKE-98-C-14	pH	Entire length	2012

### TYGART VALLEY WATERSHED - HUC# 05020001

Tygart Valley River	WVMT	Manganese	RM 50.8 to RM 72.3	2016
Tygart Valley River	WVMT	pH	RM 33.2 (Tygart Lake) to RM 76.0 (Grassy Run)	2016
Lost Run	WVMT-5	pH	Entire length	2016
Berkeley Run	WVMT-11	pH	Entire length	2016
Shelby Run	WVMT-11-A	pH	Entire length	2016
Long Run	WVMT-11-B	pH	Entire length	2016
Berry Run	WVMT-11-B-1	pH	Entire length	2016
Sandy Creek	WVMT-18	pH	Entire length	2016
Glade Run	WVMT-18-C	pH	Entire length	2016
Frost Run	WVMT-24-A	pH	Entire length	2016
Anglins Run	WVMT-29	Iron	Entire length	2016
Anglins Run	WVMT-29	pH	Entire length	2016
Pecks Run	WVMTB-5	pH	Entire length	2016
UNT/Pecks Run RM 2.24	WVMTB-5-0.8A	pH	Entire length	2016
Mud Run	WVMTB-5-C	Iron	Entire length	2016
Turkey Run	WVMTB-10	pH	Entire length	2016
Fink Run	WVMTB-11	pH	Entire length	2016
Bridge Run	WVMTB-11-B.7	pH	Entire length	2016

## Supplemental Table C - Water Quality Improvements

Stream Name	Stream Code	Criteria	Improved reach description	Date added
Marsh Fork	WVMTB-31-J	pH	Entire length	2008
Middle Fork River	WVMTM	pH	RM 23.1 (Long Run) to RM 28.9 (Cassity Fk)	2016
Island Run	WVMT-36	Manganese	Entire length	2016
Island Run	WVMT-36	pH	Entire length	2016
Beaver Creek	WVMT-37	Manganese	Entire length	2016
Laurel Run	WVMT-39	pH	Entire length	2016

## HYDROLOGIC GROUP C

### GAULEY WATERSHED - HUC# 05070102

Dogway Fork	WVKGC-19	pH	Mouth to RM 6.8	2006
Sugar Creek	WVKGW-21	pH	Mouth to RM 2.5	2006

### POTOMAC DRAINS WATERSHED - HUC# 02070004

Indian Run	WVP-9-G	Fecal coliform	Entire length	2012
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### TUG FORK WATERSHED - HUC# 05070201

Windmill Gap Branch	WVBST-99-L-4	Fecal coliform	Entire length	2012
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## Supplemental Table C - Water Quality Improvements

Stream Name	Stream Code	Criteria	Improved reach description	Date added
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## HYDROLOGIC GROUP D

### MONONGAHELA WATERSHED - HUC# 05020003

Laurel Run	WVM-2.7	pH	Entire length	2014
Robinson Run	WVM-4	pH	RM 1.1 to HW	2014
Deckers Creek	WVM-8	Manganese	RM 20.5 to HW	2014
Deckers Creek	WVM-8	pH	Mouth to RM 11.5	2014
Hartman Run	WVM-8-0.5A	pH	Entire length	2014
Deep Hollow (Beulah Hollow)	WVM-8-A.7	pH	Entire length	2014
Cobun Creek	WVM-9	pH	RM 4.7 to RM 7.9	2014
Booths Creek	WVM-10	Manganese	Entire length	2014
Robinson Run	WVM-22-C	pH	Entire length	2014
Sugar Run	WVM-22-K	Manganese	Entire length	2014
Sugar Run	WVM-22-K	pH	Entire length	2014
Whetstone Run	WVM-23-Q	pH	Entire length	2014
Joes Run	WVM-23-R	pH	Entire length	2014
UNT/Monongahela River RM 128.55	WVM-25.9	pH	Entire length	2014

## Supplemental Table C - Water Quality Improvements

Stream Name	Stream Code	Criteria	Improved reach description	Date added
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## HYDROLOGIC GROUP E

### WEST FORK WATERSHED - HUC# 05020002

West Fork River	WVMW	Zinc	Mouth to RM 74.4 (Stonewall Jackson Dam)	2010
UNT/Booths Creek RM 1.39	WVMW-2-0.1A	Iron	Entire length	2014
UNT/Booths Creek RM 1.39	WVMW-2-0.1A	pH	Entire length	2014
UNT/Booths Creek RM 3.58	WVMW-2-0.5A	pH	Entire length	2014
Horners Run	WVMW-2-D	pH	Entire length	2014
Coons Run	WVMW-3	pH	Entire length	2014
UNT/West Fork River RM 11.44	WVMW-7.1	pH	Entire length	2014
UNT/West Fork River RM 13.10	WVMW-8.5	pH	Entire length	2014
Mudlick Run	WVMW-9	pH	Entire length	2014
UNT/West Fork River RM 13.91	WVMW-9.5	pH	Entire length	2014
Jones Creek	WVMW-13-A	Manganese	Entire length	2014
Bennett Run	WVMW-13-B-2	pH	Entire length	2014
Big Elk Creek	WVMW-13-B-6	Iron	Entire length	2014
Mudlick Run	WVMW-13-B-9	pH	Entire length	2014
Coburn Fork	WVMW-13-N	pH	Entire length	2014
Shaw Run	WVMW-13-N-1	pH	Entire length	2014
UNT/West Fork River RM 20.42	WVMW-14.2	pH	Entire length	2014
UNT/Simpson Creek RM 1.23	WVMW-15-0.5A	pH	Entire length	2014
Jack Run	WVMW-15-A	pH	Entire length	2014
Jerry Run	WVMW-15-H	pH	Entire length	2014
Berry Run	WVMW-15-I	pH	Entire length	2014
Right Fork/Simpson Creek	WVMW-15-J	pH	Entire length	2014
Buck Run	WVMW-15-J-1	pH	Entire length	2014

## Supplemental Table C - Water Quality Improvements

Stream Name	Stream Code	Criteria	Improved reach description	Date added
Sand Lick Run	WVMW-15-J-2	pH	Entire length	2014
Gabe Fork	WVMW-15-J-3	pH	Entire length	2014
UNT/Simpson Creek RM 21.92	WVMW-15-J.5	pH	Entire length	2014
Bartlett Run	WVMW-15-K	pH	Entire length	2014
UNT/Simpson Creek RM 22.72	WVMW-15-K.7	pH	Entire length	2014
West Branch/Simpson Creek	WVMW-15-L	pH	Entire length	2014
UNT/West Branch RM 0.63/Simpson Creek	WVMW-15-L-0.5	pH	Entire length	2014
Stillhouse Run	WVMW-15-L-1	pH	Entire length	2014
UNT/West Branch RM 1.57/Simpson Creek	WVMW-15-L-2	pH	Entire length	2014
Camp Run	WVMW-15-M	pH	Entire length	2014
UNT/Simpson Creek RM 26.94	WVMW-15-N	pH	Entire length	2014
Lambert Run	WVMW-16	pH	Entire length	2014
Fall Run	WVMW-18	pH	Entire length	2014
Crooked Run	WVMW-19	pH	Entire length	2014
Murphy Run	WVMW-21-A	pH	Entire length	2014
Turkey Run	WVMW-21-E	Iron	Entire length	2014
Washburncamp Run	WVMW-22-A	Manganese	Entire length	2014
Hackers Creek	WVMW-31	pH	Entire length	2014
Grass Run	WVMW-38-E	Manganese	Entire length	2014
Stone Lick	WVMW-44	Iron	Entire length	2014
Stone Lick	WVMW-44	Manganese	Entire length	2014
Fitz Run	WVMW-50-C	Iron	Entire length	2014
Fitz Run	WVMW-50-C	Manganese	Entire length	2014
Fitz Run	WVMW-50-C	pH	Entire length	2014
Ward Run	WVMW-50-D	Iron	Entire length	2014
Ward Run	WVMW-50-D	Manganese	Entire length	2014



## **Supplemental Table D - Impaired Waters - No TMDL Development Needed**

This table lists impaired waters for which either other control mechanisms are in place to control pollutants or the water is not impaired by a pollutant (i.e., flow alterations caused by mining). These waters will be contained in Integrated Report Categories 4b and 4c unless TMDLs need to be developed for other pollutant-related impairments (Category 5).

Supplemental Table D - Impaired Waters - No TMDL Development Needed

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (miles)	Reach Description
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**CATEGORY 4b** - Impaired or threatened for one or more designated uses but does not require the development of a TMDL: Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future.

**HYDROLOGIC GROUP B**

**NORTH BRANCH POTOMAC WATERSHED - HUC# 02070002**

Stony River	WVPNB-17	Ammonia	Point Source Discharge (Permit WV0093556/ WV0098167)	4.7	RM 7.7 (Mill Run) to RM 12.4 (Fourmile Run)
Stony River	WVPNB-17	CNA-Biological	Point Source Discharge (Permit WV0005525)	2.3	RM 12.4 (Fourmile Run) to RM 14.7 (Mount Storm Lake)
Stony River	WVPNB-17	Temperature, water	Point Source Discharge (Permit WV0005525)	2.3	RM 12.4 (Fourmile Run) to RM 14.7 (Mount Storm Lake)
Fourmile Run	WVPNB-17-C	Aluminum (d)	Point Source Discharge (Permit WV0093556)	1.5	Entire length
Fourmile Run	WVPNB-17-C	Ammonia	Point Source Discharge (Permit WV0093556/ WV0098167)	0.7	Mouth to RM 0.7

## Supplemental Table D - Impaired Waters - No TMDL Development Needed

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (miles)	Reach Description
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**CATEGORY 4c** - Impaired or threatened for one or more designated uses but does not require the development of a TMDL: Impairment is not caused by a pollutant.

## HYDROLOGIC GROUP B

### COAL WATERSHED - HUC# 05050009

Spruce Laurel Fork	WVKC-10-T-11	Low Flow Alterations	Coal Mining	7.6	RM 6.1 to RM 13.7
Sycamore Fork	WVKC-10-T-11-F	Low Flow Alterations	Coal Mining	2.4	Mouth to RM 2.4
UNT/Sycamore Fork RM 1.46	WVKC-10-T-11-F-2	Low Flow Alterations	Coal Mining	0.4	Entire length
UNT/Sycamore Fork RM 1.66	WVKC-10-T-11-F-3	Low Flow Alterations	Coal Mining	0.4	Entire length
UNT/Sycamore Fork RM 1.98	WVKC-10-T-11-F-4	Low Flow Alterations	Coal Mining	0.3	Mouth to RM 0.3
UNT/Sycamore Fork RM 2.34	WVKC-10-T-11-F-5	Low Flow Alterations	Coal Mining	0.1	Entire length
Skin Poplar Branch	WVKC-10-T-11-G	Low Flow Alterations	Coal Mining	2.5	Mouth to RM 2.5
Jigly Branch	WVKC-10-T-11-G-1	Low Flow Alterations	Coal Mining	1.5	Entire length
UNT/Jigly Branch RM 0.76	WVKC-10-T-11-G-1-B	Low Flow Alterations	Coal Mining	0.5	Entire length
UNT/Skin Poplar Branch RM 2.53	WVKC-10-T-11-G-4	Low Flow Alterations	Coal Mining	0.3	Mouth to RM 0.3
Lower Lick Branch	WVKC-10-T-11-I	Low Flow Alterations	Coal Mining	0.7	Mouth to RM 0.7
West Fork/Pond Fork	WVKC-10-U-7	Low Flow Alterations	Coal Mining	6.5	RM 9.7 to RM 16.2
Bandy Branch	WVKC-10-U-7-E	Low Flow Alterations	Coal Mining	2.6	Mouth to RM 2.6
Mudlick Branch	WVKC-10-U-7-E-1	Low Flow Alterations	Coal Mining	1.7	Mouth to RM 1.7
UNT/Mudlick Branch RM 0.39	WVKC-10-U-7-E-1-A	Low Flow Alterations	Coal Mining	0.4	Entire length
Still Hollow	WVKC-10-U-7-E-2	Low Flow Alterations	Coal Mining	0.6	Entire length
James Creek	WVKC-10-U-7-I	Low Flow Alterations	Coal Mining	0.7	RM 0.16 to RM 0.84
Ducky Ferrell Hollow	WVKC-10-U-7-I.5	Low Flow Alterations	Coal Mining	1.2	Entire length
UNT/James Creek RM 0.22 (Left Fork)	WVKC-10-U-7-I-1	Low Flow Alterations	Coal Mining	0.8	Mouth to RM 0.8
Matts Creek	WVKC-10-U-7-J	Low Flow Alterations	Coal Mining	2.0	Mouth to RM 2.0
UNT/Matts Creek RM 0.24	WVKC-10-U-7-J-1	Low Flow Alterations	Coal Mining	0.2	Entire length
UNT/Matts Creek RM 0.88	WVKC-10-U-7-J-2	Low Flow Alterations	Coal Mining	0.6	Mouth to RM 0.6
UNT/UNT RM 0.18/Matts Creek RM 0.88	WVKC-10-U-7-J-2-A	Low Flow Alterations	Coal Mining	0.3	Entire length
UNT/Matts Creek RM 1.30	WVKC-10-U-7-J-3	Low Flow Alterations	Coal Mining	0.4	Entire length
UNT/West Fork RM 10.56/Pond Fork	WVKC-10-U-7-K	Low Flow Alterations	Coal Mining	0.6	Entire length
UNT/West Fork RM 11.48/Pond Fork	WVKC-10-U-7-L	Low Flow Alterations	Coal Mining	0.5	Entire length

## Supplemental Table D - Impaired Waters - No TMDL Development Needed

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (miles)	Reach Description
UNT/West Fork RM 11.71/Pond Fork	WVKC-10-U-7-M	Low Flow Alterations	Coal Mining	0.5	Entire length
UNT/West Fork RM 11.76/Pond Fork	WVKC-10-U-7-N	Low Flow Alterations	Coal Mining	0.5	Entire length
UNT/West Fork RM 12.01/Pond Fork	WVKC-10-U-7-O	Low Flow Alterations	Coal Mining	0.4	Mouth to RM 0.4
UNT/West Fork RM 13.09/Pond Fork	WVKC-10-U-7-P	Low Flow Alterations	Coal Mining	0.8	Entire length
UNT/West Fork RM 14.43/Pond Fork	WVKC-10-U-7-Q	Low Flow Alterations	Coal Mining	1.1	Entire length
UNT/West Fork RM 14.64/Pond Fork	WVKC-10-U-7-R	Low Flow Alterations	Coal Mining	1.0	Entire length
UNT/West Fork RM 15.63/Pond Fork	WVKC-10-U-7-S	Low Flow Alterations	Coal Mining	0.9	Mouth to RM 0.9
UNT/UNT RM 0.32/West Fork RM	WVKC-10-U-7-S-1	Low Flow Alterations	Coal Mining	0.3	Mouth to RM 0.3
UNT/West Fork RM 15.80/Pond Fork	WVKC-10-U-7-T	Low Flow Alterations	Coal Mining	0.5	Entire length
UNT/West Fork RM 16.30/Pond Fork	WVKC-10-U-7-U	Low Flow Alterations	Coal Mining	0.4	Entire length
UNT/James Branch RM 0.52	WVKC-10-U-16-A	Low Flow Alterations	Coal Mining	0.9	RM 0.5 to RM 1.4
UNT/UNT RM 0.50/James Branch RM 0.52	WVKC-10-U-16-A-1	Low Flow Alterations	Coal Mining	0.6	Entire length
UNT/UNT RM 1.05/James Branch RM 0.52	WVKC-10-U-16-A-2	Low Flow Alterations	Coal Mining	0.6	Entire length

## **Supplemental Table E - Total Aluminum TMDLs Developed**

This table identifies waters for which aluminum TMDLs were developed based upon water quality criteria that are no longer effective. After the subject TMDLs were developed, EPA approved revisions to West Virginia water quality standards that changed the aluminum numeric water quality criteria from total to dissolved form. This table is included to document the development of the obsolete TMDLs and to distinguish them from the effective TMDLs identified in Supplemental Table B. Once these streams are assessed for dissolved aluminum, they will be removed from Table E.

## Supplemental Table E - Total Aluminum TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
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**HYDROLOGIC GROUP A****UPPER KANAWHA WATERSHED - HUC# 05050006**

Jones Branch	WVK-65-C	Aluminum (tot)	2001
Tenmile Fork	WVK-65-M	Aluminum (tot)	2001
Hickory Camp Branch	WVK-65-P	Aluminum (tot)	2001
UNT/Paint Creek RM 16.71	WVK-65-Q.3	Aluminum (tot)	2001
UMT/Paint Creek RM 17.10	WVK-65-Q.5	Aluminum (tot)	2001
Lykins Creek	WVK-65-W	Aluminum (tot)	2001
Long Branch	WVK-65-Y-2	Aluminum (tot)	2001
Big Fork	WVK-65-DD-2	Aluminum (tot)	2001

**HYDROLOGIC GROUP B****LOWER KANAWHA WATERSHED - HUC# 05050008**

Ridenour Lake	WVK-30-A-(L1)	Aluminum (tot)	1999
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**NORTH BRANCH POTOMAC WATERSHED - HUC# 02070002**

Laurel Run	WVPNB-17-D	Aluminum (tot)	2001
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## Supplemental Table E - Total Aluminum TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
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## HYDROLOGIC GROUP C

### MIDDLE OHIO SOUTH WATERSHED - HUC# 05030202

Turkey Run Lake	WVO-37-(L1)	Aluminum (tot)	1999
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### TUG FORK WATERSHED - HUC# 05070201

Millstone Branch	WVBST-24-O	Aluminum (tot)	2002
Sugartree Creek	WVBST-32	Aluminum (tot)	2002
Williamson Creek	WVBST-33	Aluminum (tot)	2002
Rutherford Branch	WVBST-40-B	Aluminum (tot)	2002
Mitchell Branch	WVBST-40-C	Aluminum (tot)	2002
Chafin Branch	WVBST-40-D	Aluminum (tot)	2002
Thacker Creek	WVBST-42	Aluminum (tot)	2002
Scissorsville Branch	WVBST-42-A	Aluminum (tot)	2002
Mauchlinville Branch	WVBST-42-B	Aluminum (tot)	2002
Grapevine Creek	WVBST-43	Aluminum (tot)	2002
Panther Creek	WVBST-60	Aluminum (tot)	2002
Cub Branch	WVBST-60-D	Aluminum (tot)	2002
Grapevine Branch	WVBST-70-F	Aluminum (tot)	2002
Atwell Branch	WVBST-70-O	Aluminum (tot)	2002
Shabbyroom Branch	WVBST-78-B	Aluminum (tot)	2002
Coontree Branch	WVBST-78-E	Aluminum (tot)	2002
Stonecoal Branch	WVBST-78-F	Aluminum (tot)	2002
Badway Branch	WVBST-78-G	Aluminum (tot)	2002
Newson Branch	WVBST-78-H	Aluminum (tot)	2002

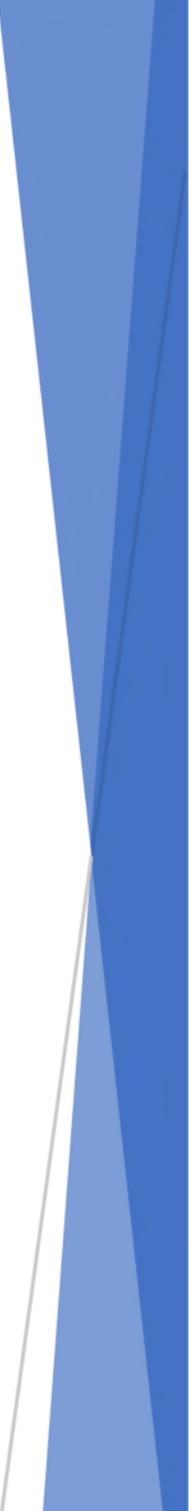
## Supplemental Table E - Total Aluminum TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Moorecamp Branch	WVBST-78-I	Aluminum (tot)	2002
Left Fork/Davy Branch	WVBST-85-A	Aluminum (tot)	2002
Shannon Branch	WVBST-94	Aluminum (tot)	2002
Little Indian Creek	WVBST-100	Aluminum (tot)	2002
Jed Branch	WVBST-102	Aluminum (tot)	2002
Sugarcamp Branch	WVBST-106	Aluminum (tot)	2002
Grapevine Branch	WVBST-107	Aluminum (tot)	2002
Adkin Branch	WVBST-110	Aluminum (tot)	2002
Turnhole Branch	WVBST-112	Aluminum (tot)	2002
Loop Branch	WVBST-117	Aluminum (tot)	2002
Puncheoncamp Branch	WVBST-120-B	Aluminum (tot)	2002

## HYDROLOGIC GROUP D

### LITTLE KANAWHA WATERSHED - HUC# 05030203

Reedy Creek	WVLK-25	Aluminum (tot)	2000
Spring Creek	WVLK-31	Aluminum (tot)	2000
Oil Creek	WVLK-94	Aluminum (tot)	2000



## **Supplemental Table F - New Listings For 2016**

This table lists impaired waters that are new on the list for 2016 and were not on the 2014 Section 303(d) list.

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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## HYDROLOGIC GROUP A

### CHEAT WATERSHED - HUC# 05020004

*3 Lake 8 acres 2 streams 81 miles*

Shavers Fork	WVMCS	Aluminum (trout) (d)	Unknown	80.4	RM 16.5 (Little Black Fork) to HW	2029	No
Coopers Rock Lake	WVMC-6-(L1)	Chlorophyll-A	Unknown	4.6	Entire Lake	2029	No
Pendleton Lake	WVMC-60-D-4-(L1)	Chlorophyll-A	Unknown	1.2	Entire Lake	2029	No
UNT/Otter Creek RM 1.82	WVMC-60-F-1.4	pH	Unknown	0.6	Entire length	2029	No
Spruce Knob Lake	WVMC-60-T-10-(L1)	Chlorophyll-A	Unknown	2.6	Entire Lake	2029	No

### SHENANDOAH (HARDY) WATERSHED - HUC# 02070006

*0 streams 0 miles*

No NEW Listings

### SHENANDOAH (JEFFERSON) WATERSHED - HUC# 02070007

*3 streams 4 miles*

UNT/Shenandoah River RM 10.71 (Johnson's Hill)	WVS-4.8	Fecal Coliform	Unknown	0.8	Entire length	2024	No
UNT/Furnace Run RM 0.62 (Little Lake Run)	WVS-5-A	Fecal Coliform	Unknown	0.9	Entire length	2024	No
Forge Run	WVS-8	Fecal Coliform	Unknown	2.2	Entire length	2024	No

### SOUTH BRANCH POTOMAC WATERSHED - HUC# 02070001

*0 streams 0 miles*

No NEW Listings

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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**UPPER KANAWHA WATERSHED - HUC# 05050006***35 streams 54 miles*

Right Fork/Rush Creek	WVK-51-A	Aluminum (d)	Unknown	2.6	Entire length	2029	No
Right Fork/Rush Creek	WVK-51-A	pH	Unknown	2.6	Entire length	2029	No
UNT/Right Fork RM 1.55/Rush	WVK-51-A-1	Aluminum (d)	Unknown	1.0	Entire length	2029	No
UNT/Right Fork RM 1.55/Rush	WVK-51-A-1	pH	Unknown	1.0	Entire length	2029	No
UNT/Rush Creek RM 1.46	WVK-51-C	Aluminum (d)	Unknown	0.7	Entire length	2029	No
UNT/Rush Creek RM 1.46	WVK-51-C	pH	Unknown	0.7	Entire length	2029	No
UNT/Ring Hollow RM 0.67	WVK-53-B-1	Iron	Unknown	0.8	Entire length	2029	No
Simmons Creek	WVK-54	Selenium	Unknown	0.5	RM 2.2 to HW	2029	No
Bradford Hollow	WVK-55	Iron	Unknown	0.2	Mouth to RM 0.2	2029	No
UNT/UNT RM 0.01/Laurel Fork RM	WVK-57-B-1-A	Aluminum (d)	Unknown	0.5	Entire length	2029	No
UNT/UNT RM 0.01/Laurel Fork RM	WVK-57-B-1-A	Iron	Unknown	0.5	Entire length	2029	No
UNT/UNT RM 0.01/Laurel Fork RM	WVK-57-B-1-A	pH	Unknown	0.5	Entire length	2029	No
UNT/Witcher Creek RM 5.72	WVK-57-E.5	Iron	Unknown	1.1	Entire length	2029	No
Mill Branch	WVK-58-B.8	Iron	Unknown	0.5	RM 0.4 to HW	2029	No
UNT/Little Creek RM 1.43	WVK-60-A-2	pH	Unknown	0.7	Entire length	2029	No
UNT/Slaughter Creek RM 2.18	WVK-60-A.7	Aluminum (d)	Unknown	0.6	Entire length	2029	No
UNT/Slaughter Creek RM 2.18	WVK-60-A.7	pH	Unknown	0.6	Entire length	2029	No
Left Fork/Longbottom Creek	WVK-61-F-1	Iron	Unknown	3.9	Entire length	2029	No
UNT/Cabin Creek RM 16.65	WVK-61-N.8	Iron	Unknown	0.6	Entire length	2029	No
UNT/Cabin Creek RM 20.30	WVK-61-P	Iron	Unknown	1.9	Entire length	2029	No
UNT/Kanawha River RM 75.75	WVK-61.7	pH	Unknown	0.5	Entire length	2029	No
Watson Branch	WVK-62	Iron	Unknown	0.9	Mouth to RM 0.9	2029	No
Paint Creek	WVK-65	Aluminum (trout) (d)	Unknown	17.4	RM 14.13 (Laurel Br) to RM 31.48 (Pax)	2029	No
Fourmile Fork	WVK-65-E	Iron	Unknown	2.5	Mouth to RM 2.5	2029	No
UNT/Fourmile Fork RM 2.23	WVK-65-E-6	Iron	Unknown	0.6	Entire length	2029	No
Tenmile Fork	WVK-65-M	Selenium	Unknown	2.4	Entire length	2029	No

## WEST VIRGINIA

## New Listings 2016

## WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
UNT/Paint Creek RM 25.65	WVK-65-Y.4	Iron	Unknown	0.4	Entire length	2029	No
UNT/Paint Creek RM 29.17	WVK-65-Z.8	Iron	Unknown	0.5	Entire length	2029	No
Bee Branch	WVK-65-CC-1	Selenium	Unknown	1.2	Entire length	2029	No
Sand Branch	WVK-65-HH	Iron	Unknown	1.0	Entire length	2029	No
Dunn Hollow	WVK-69	Iron	Unknown	2.0	Entire length	2029	No
UNT/Loop Creek RM 8.36	WVK-76-D.8	Aluminum (d)	Unknown	0.7	Entire length	2029	No
UNT/Loop Creek RM 8.36	WVK-76-D.8	pH	Unknown	0.7	Entire length	2029	No
UNT/Armstrong Creek RM 1.88	WVK-73-A.8	Iron	Unknown	0.5	Entire length	2029	No
Stop Hollow	WVK-73-B	Iron	Unknown	1.1	Mouth to RM 1.1	2029	No
Right Fork/Armstrong Creek	WVK-73-F	Iron	Unknown	2.5	Entire length	2029	No
Loop Creek	WVK-76	Iron (trout)	Unknown	1.1	RM 8.4 to RM 9.5	2029	No
Big Run (Glenco Hollow)	WVK-76-H	Aluminum (d)	Unknown	0.3	RM 1.4 to HW	2029	No
Big Run (Glenco Hollow)	WVK-76-H	pH	Unknown	0.3	RM 1.4 to HW	2029	No
UNT/Loop Creek RM 13.09	WVK-76-J.6	Iron	Unknown	1.0	Entire length	2029	No
UNT/Loop Creek RM 13.09	WVK-76-J.6	Selenium	Unknown	0.3	Mouth to RM 0.3	2029	No
Open Fork	WVK-76-M	Iron (trout)	Unknown	0.5	Mouth to RM 0.5	2029	No
Taylor Branch	WVK-76-N-1	Iron (trout)	Unknown	1.3	Entire length	2029	No
UNT/Taylor Branch RM 0.57	WVK-76-N-1-A	Iron	Unknown	0.4	Entire length	2029	No

**UPPER OHIO NORTH WATERSHED - HUC# 05030101****2 streams 7 miles**

Kings Creek	WVO-98	CNA-Biological	Unknown	6.5	Mouth to RM 6.5	2029	No
UNT/Ohio River RM 46.14	WVO-104.7	Iron	Unknown	0.7	Entire length	2029	No

**YOUGHIOGHENY WATERSHED - HUC# 05020006****0 streams 0 miles**

No NEW Listings

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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## HYDROLOGIC GROUP B

### COAL WATERSHED - HUC# 05050009

*34 streams 68 miles*

UNT/Big Horse Creek RM 5.55	WVKC-10-I-5.7	pH	Unknown	0.8	Entire length	2030	No
Right Fork/Little Horse Creek	WVKC-10-J-1	Aluminum (d)	Unknown	2.6	Entire length	2030	No
Right Fork/Little Horse Creek	WVKC-10-J-1	pH	Unknown	2.6	Entire length	2030	No
Slippery Gut Branch	WVKC-10-M	Selenium	Unknown	1.1	Mouth to RM 1.1	2030	No
Adkins Fork	WVKC-10-O-1.7	Iron	Unknown	0.5	Entire length	2030	No
UNT/Jigly Branch RM 0.48	WVKC-10-T-11-G-1-A	Selenium	Unknown	2.5	Entire length	2030	No
Dennison Fork	WVKC-10-T-11-K	CNA-Biological	Unknown	2.3	Entire length	2030	No
Dennison Fork	WVKC-10-T-11-K	Selenium	Unknown	2.3	Entire length	2030	No
Laurel Fork	WVKC-10-T-25	Selenium	Unknown	4.2	Entire length	2030	No
Pond Fork	WVKC-10-U	pH	Unknown	5.0	RM 6.9 to RM 8.1 and RM 32.8 to HW	2030	No
UNT/Pond Fork RM 11.32	WVKC-10-U-6.5	Aluminum (d)	Unknown	1.0	Entire length	2030	No
UNT/Pond Fork RM 11.32	WVKC-10-U-6.5	pH	Unknown	1.0	Entire length	2030	No
West Fork/Pond Fork	WVKC-10-U-7	pH	Unknown	1.1	RM 5.8 to RM 6.9	2030	No
Browns Branch	WVKC-10-U-7-D	Aluminum (d)	Unknown	3.2	Entire length	2030	No
Browns Branch	WVKC-10-U-7-D	pH	Unknown	3.2	Entire length	2030	No
Little Ugly Branch	WVKC-10-U-7-G	Selenium	Unknown	1.5	Entire length	2030	No
UNT/Pond Fork RM 14.72	WVKC-10-U-7.8	Selenium	Unknown	1.4	Entire length	2030	No
UNT/Pond Fork RM 15.92	WVKC-10-U-8.1	Selenium	Unknown	0.9	Entire length	2030	No
UNT/River Fork RM 1.33	WVKC-14-A-2	CNA-Biological	Unknown	0.3	Entire length	2030	No
Dave Fork	WVKC-14-D-2	Selenium	Unknown	1.1	Entire length	2030	No
Bull Creek	WVKC-16	Selenium	Unknown	2.7	Entire length	2030	No
Left Fork/Bull Creek	WVKC-16-A	Selenium	Unknown	2.4	RM 0.5 to HW	2030	No
UNT/Left Fork RM 1.17/Bull Creek	WVKC-16-A-2	Selenium	Unknown	0.8	Entire length	2030	No
Mikes Run	WVKC-16-0.1A	Selenium	Unknown	1.5	Entire length	2030	No

## New Listings 2016

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Joes Creek	WVKC-29	Selenium	Unknown	7.2	Entire length	2030	No
UNT/Joes Creek RM 6.61	WVKC-29-G	Iron	Unknown	0.5	Entire length	2030	No
Hopkins Fork	WVKC-31-B	Aluminum (trout) (d)	Unknown	5.9	Mouth to RM 5.9	2030	No
Little Jarrells Creek	WVKC-31-B-2-A	CNA-Biological	Unknown	2.2	Entire length	2030	No
Little Jarrells Creek	WVKC-31-B-2-A	Selenium	Unknown	2.2	Entire length	2030	No
UNT/Laurel Creek RM 3.46	WVKC-31-B.4	pH	Unknown	1.3	Entire length	2030	No
Little White Oak Creek	WVKC-35-A	Iron	Unknown	1.0	RM 1.3 to HW	2030	No
Little Elk Creek	WVKC-39	Selenium	Unknown	0.7	Mouth to RM 0.7	2030	No
Little Marsh Fork	WVKC-46-A	pH	Unknown	1.0	RM 5.2 to HW	2030	No
Little Marsh Fork	WVKC-46-A	Selenium	Unknown	3.7	Mouth to RM 3.7	2030	No
UNT/UNT RM 0.73/Marsh Fork RM 4.13	WVKC-46-A.7-2	Iron	Unknown	1.1	Entire length	2030	No
UNT/Breckenridge Creek RM 3.22	WVKC-46-L-1.8	Iron	Unknown	1.3	Entire length	2030	No
Speed Branch	WVKC-47-E-1	pH	Unknown	1.1	Entire length	2030	No
Long Branch	WVKC-47-G	pH	Unknown	2.1	RM 0.5 to HW	2030	No
Long Branch	WVKC-47-G	Selenium	Unknown	2.1	RM 0.5 to HW	2030	No
Reeds Branch	WVKC-47-L-3	Selenium	Unknown	1.3	Entire length	2030	No
Workman Creek	WVKC-47-O	Iron	Unknown	0.6	RM 2.9 to HW	2030	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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**ELK WATERSHED - HUC# 05050007***12 streams 31 miles*

Sycamore Run	WVKE-50-B-9	Selenium	Unknown	1.4	Entire length	2030	No
Elm Creek	WVKE-50-O-2	pH	Unknown	4.6	Entire length	2030	No
Thrashhouse Run	WVKE-50-O-5	pH	Unknown	1.9	Entire length	2030	No
UNT/Taylor Creek RM 4.27	WVKE-50-P-2	Aluminum (d)	Unknown	0.9	Entire length	2030	No
UNT/Taylor Creek RM 4.27	WVKE-50-P-2	pH	Unknown	0.9	Entire length	2030	No
UNT/Bragg Run RM 0.66	WVKE-76-S-2	Aluminum (d)	Unknown	0.6	Entire length	2030	No
UNT/Bragg Run RM 0.66	WVKE-76-S-2	pH	Unknown	0.6	Entire length	2030	No
Laurel Creek	WVKE-102	Iron (trout)	Unknown	8.3	RM 13.6 to HW	2030	No
Brooks Creek	WVKE-102-C	Iron	Unknown	2.6	RM 2.4 to HW	2030	No
UNT/Laurel Creek RM 4.86	WVKE-102-C.3	Iron	Unknown	0.6	Entire length	2030	No
Missouri Creek	WVKE-102-F	Selenium	Unknown	3.4	Entire length	2030	No
UNT/Missouri Creek RM 0.93	WVKE-102-F-1	Iron	Unknown	1.8	Entire length	2030	No
UNT/Missouri Creek RM 1.39	WVKE-102-F-2	Selenium	Unknown	2.1	Entire length	2030	No
Glade Run	WVKE-102-H	Selenium	Unknown	3.0	Entire length	2030	No

**LOWER KANAWHA WATERSHED - HUC# 05050008***1 streams 2 miles*

Kanawha Fork	WVK-39-M	Aluminum (d)	Unknown	1.9	RM 0.5 to HW	2030	No
Kanawha Fork	WVK-39-M	pH	Unknown	1.9	RM 0.5 to HW	2030	No

## New Listings 2016

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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**NORTH BRANCH POTOMAC WATERSHED - HUC# 05020001***8 stream 26 miles*

Deep Run	WVPNB-15	Aluminum (trout) (d)	Unknown	4.4	Entire length	2030	No
UNT/Deep Run RM 2.46	WVPNB-15-B	pH	Unknown	0.7	Entire length	2030	No
UNT/Emory Creek RM 0.78	WVPNB-16-A-1	Iron	Unknown	0.4	RM 0.6 to HW	2030	No
Stony River	WVPNB-17	Aluminum (d)	Unknown	1.9	RM 10.5 to RM 12.4 (Fourmile Run)	2030	No
Stony River	WVPNB-17	Aluminum (trout) (d)	Unknown	12.6	Mouth to RM 7.3 (Mill Run), RM 18.7 (upstream Mount Storm Lake) to RM 21.2 (Stony River Reservoir)	2030	No
UNT/Laurel Run RM 0.78	WVPNB-17-B.5-1	Aluminum (d)	Unknown	0.6	RM 0.4 to HW	2030	No
UNT/Laurel Run RM 0.78	WVPNB-17-B.5-1	Iron	Unknown	0.6	RM 0.4 to HW	2030	No
UNT/Laurel Run RM 0.78	WVPNB-17-B.5-1	pH	Unknown	1.0	Entire length	2030	No
Laurel Run	WVPNB-17-D	CNA-Biological	Unknown	1.4	Entire length	2030	No
UNT/North Branch Potomac River RM 84.48	WVPNB-17.8	CNA-Biological	Unknown	0.2	Mouth to RM 0.23	2030	No
Buffalo Creek	WVPNB-19	Aluminum (trout) (d)	Unknown	3.8	Entire length	2030	No

**TYGART VALLEY WATERSHED - HUC# 05020001***9 streams 26 miles*

Long Run	WVMT-11-B	CNA-Biological	Mining	3.6	Entire length	2030	No
UNT/Three Fork Creek RM 2.02	WVMT-12-0.5A	CNA-Biological	Unknown	5.0	Entire length	2030	No
Stacks Run	WVMT-12-G-1-A	Iron	Unknown	2.2	Entire length	2030	No
Anglins Run	WVMT-29	CNA-Biological	Mining	2.6	Entire length	2030	No
Sugar Run	WVMTB-10-A	CNA-Biological	Mining	1.7	Entire length	2030	No
UNT/Grassy Run RM 0.72	WVMTB-21-A	pH	Unknown	0.9	Entire length	2030	No
Tenmile Creek	WVMTB-25	Aluminum (trout) (d)	Unknown	3.3	RM 1.1 to HW	2030	No
Laurel Run	WVMTM-11-B	pH	Unknown	1.9	Entire length	2030	No
Beaver Creek	WVMT-37	CNA-Biological	Mining	4.6	Entire length	2030	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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## HYDROLOGIC GROUP C

### GAULEY WATERSHED - HUC# 05050005

*26 streams 48 miles*

Sand Branch	WVKG-2	Iron	Unknown	2.5	Entire length	2031	No
UNT/Hardway Branch RM 1.00	WVKG-5-K-2	pH	Unknown	0.6	Entire length	2031	No
Road Fork/Robinson Fork	WVKG-5-P-2	Selenium	Unknown	2.3	Entire length	2031	No
Rader Fork	WVKG-5-R	pH	Unknown	1.3	RM 1.2 to RM 2.5	2031	No
Laurel Run	WVKG-5-R-2	Iron	Unknown	1.2	Entire length	2031	No
UNT/Rader Fork RM 1.48	WVKG-5-R-3	Iron	Unknown	0.6	Entire length	2031	No
Lick Branch	WVKG-6-A	CNA-Biological	Unknown	1.3	Entire length	2031	No
Hutchison Branch	WVKG-13-K-1	pH	Unknown	1.3	RM 1.4 to HW	2031	No
UNT/Hutchison Branch RM 1.03	WVKG-13-K-1-A	Iron	Unknown	0.7	Entire length	2031	No
Meadow Creek	WVKG-17	Iron	Unknown	0.4	RM 5.7 to HW	2031	No
UNT/Meadow Creek RM 4.33	WVKG-17-E	Iron	Unknown	1.0	Entire length	2031	No
UNT/Brackens Creek RM 1.57	WVKG-19-J-1.5	CNA-Biological	Unknown	1.9	Entire length	2031	No
Muddlety Creek	WVKG-26	Aluminum (d)	Unknown	4.0	RM 23.0 to HW	2031	No
Muddlety Creek	WVKG-26	pH	Unknown	4.0	RM 23.0 to HW	2031	No
Tedrow Branch	WVKG-26-Q-2	Selenium	Unknown	1.1	Entire length	2031	No
UNT/Muddlety Creek RM 22.04	WVKG-26-U	pH	Unknown	0.4	Entire length	2031	No
Left Fork/Big Beaver Creek	WVKG-30-I	Iron	Unknown	1.2	RM 0.7 to HW	2031	No
UNT/Left Fork RM 0.77/Big Beaver Creek	WVKG-30-I-2	Iron	Unknown	1.0	Entire length	2031	No
UNT/Left Fork RM 0.77/Big Beaver Creek	WVKG-30-I-2	pH	Unknown	1.0	Entire length	2031	No
Bearpen Fork	WVKG-30-L	pH	Unknown	2.0	Mouth to RM 2.0	2031	No
UNT/Upper Laurel Run RM 0.27	WVKG-30-P-1	pH	Unknown	0.8	Entire length	2031	No
O'brien Fork	WVKG-30-S	Iron	Unknown	4.0	Entire length	2031	No

**WEST VIRGINIA**

**New Listings 2016**

**WEST VIRGINIA**

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Adkins Lick Creek	WVKG-32-C	Aluminum (d)	Unknown	1.5	Entire length	2031	No
Adkins Lick Creek	WVKG-32-C	pH	Unknown	1.5	Entire length	2031	No
Middle Branch/Laurel Creek	WVKG-34-E-11	Iron (trout)	Unknown	3.0	Entire length	2031	No
Middle Branch/Laurel Creek	WVKG-34-E-11	pH	Unknown	3.0	Entire length	2031	No
South Fork/Cherry River	WVKG-34-G	pH	Unknown	6.4	RM 9.0 to RM 15.4	2031	No
Becky Run	WVKG-34-G-8	Iron (trout)	Unknown	3.6	Entire length	2031	No
Blue Knob Branch	WVKG-34-G-10-B	Aluminum (trout) (d)	Unknown	1.5	Entire length	2031	No
Blue Knob Branch	WVKG-34-G-10-B	Iron (trout)	Unknown	1.5	Entire length	2031	No
Blue Knob Branch	WVKG-34-G-10-B	pH	Unknown	1.5	Entire length	2031	No
Bee Run	WVKG-7	pH	Unknown	2.3	Entire length	2031	No

**LOWER GUYANDOTTE WATERSHED - HUC# 05070102**

*4 streams 11 miles*

Kellys Creek	WVOGM-20-I-1	CNA-Biological	Unknown	2.2	Entire length	2021	No
UNT/Sally Fork RM 0.48	WVOGM-49-C-2	Iron	Unknown	0.4	Entire length	2021	No
Crawley Creek	WVOG-51	CNA-Biological	Unknown	8.4	Entire length	2021	No
Crawley Creek	WVOG-51	Iron	Unknown	8.4	Entire length	2021	No
UNT/Snap Creek RM 0.63	WVOG-62-B	Iron	Unknown	0.2	Entire length	2021	No

**MIDDLE OHIO NORTH WATERSHED - HUC# 05030201**

*0 streams 0 miles*

No NEW Listings

**MIDDLE OHIO SOUTH WATERSHED - HUC# 05030202**

*1 Lake 278 acres*

Elk Fork Lake	WVO-32-M-(L1)	Chlorophyll-A	Unknown	278.0	Entire lake	2031	No
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**POTOMAC DIRECT DRAINS WATERSHED - HUC# 02070004**

*1 streams 3 miles*

Buzzard Run	WVP-4-H	CNA-Biological	Unknown	2.6	Entire length	2026	No
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Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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**TUG FORK WATERSHED - HUC# 05070201**

65 streams 123 miles

Tug Fork	WVBST	Selenium	Unknown	13.9	RM 143.2 to RM 157.1	2022	No
Vinson Branch	WVBST-2	pH	Unknown	0.3	Mouth to RM 0.3	2022	No
Jennie Creek	WVBST-17	Iron	Unknown	1.4	RM 5.1 to RM 6.5	2022	No
Upper Burning Creek	WVBST-22	CNA-Biological	Unknown	1.4	Mouth to RM 1.4	2022	No
Laurel Fork	WVBST-22-B	Iron	Unknown	1.7	Entire length	2022	No
Pigeon Creek	WVBST-24	Selenium	Unknown	1.0	RM 31.0 to HW	2022	No
Spruce Fork	WVBST-24-E-2	CNA-Biological	Unknown	3.0	Entire length	2022	No
UNT/Pigeon Creek RM 6.72 (White Branch)	WVBST-24-G	Iron	Unknown	0.9	Entire length	2022	No
UNT/Pigeon Creek RM 20.01	WVBST-24-S.3	Aluminum (d)	Unknown	0.7	Entire length	2022	No
UNT/Pigeon Creek RM 20.01	WVBST-24-S.3	Iron	Unknown	0.7	Entire length	2022	No
UNT/Pigeon Creek RM 20.01	WVBST-24-S.3	pH	Unknown	0.7	Entire length	2022	No
Grant Branch	WVBST-24-DD	Iron	Unknown	0.6	Mouth to RM 0.6	2022	No
Road Branch	WVBST-26	Iron	Unknown	2.4	Entire length	2022	No
Mill Fork	WVBST-27-C	Selenium	Unknown	1.9	Entire length	2022	No
Peg Fork	WVBST-27-D	Selenium	Unknown	1.4	Mouth to RM 1.4	2022	No
Dans Branch	WVBST-29	Iron	Unknown	2.0	Entire length	2022	No
UNT/Ferrell Branch RM 0.83	WVBST-39-B	Aluminum (d)	Unknown	0.5	Entire length	2022	No
UNT/Ferrell Branch RM 0.83	WVBST-39-B	pH	Unknown	0.5	Entire length	2022	No
Mate Creek	WVBST-40	CNA-Biological	Unknown	9.9	Entire length	2022	No
Thacker Creek	WVBST-42	Aluminum (d)	Unknown	3.0	Entire length	2022	No
Millseat Branch	WVBST-43-B.5	Iron	Unknown	1.9	Entire length	2022	No
UNT/Grapevine Fork RM 0.22	WVBST-46-B-1	Iron	Unknown	1.1	Entire length	2022	No
Left Fork/Ben Creek	WVBST-52-B	Selenium	Unknown	7.1	Entire length	2022	No
UNT/Left Fork RM 6.36/Ben Creek	WVBST-52-B-7	Selenium	Unknown	0.6	Entire length	2022	No
Beech Fork	WVBST-52-K	Selenium	Unknown	1.7	Entire length	2022	No
Bull Creek	WVBST-57	Selenium	Unknown	4.9	Entire length	2022	No

## New Listings 2016

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
UNT/Bull Creek RM 4.71	WVBST-57-G	Selenium	Unknown	0.9	Entire length	2022	No
Dry Fork	WVBST-70	Iron (trout)	Unknown	0.6	RM 27.5 to RM 28.1	2022	No
Mile Branch	WVBST-70-C	Iron	Unknown	0.7	RM 0.7 to RM 1.4	2022	No
Crane Creek	WVBST-70-D	Iron	Unknown	0.7	Mouth to RM 0.7	2022	No
Betsy Branch	WVBST-70-E	Iron	Unknown	1.9	RM 0.6 to HW	2022	No
Johnnycake Hollow	WVBST-70-P	Aluminum (d)	Unknown	1.8	Entire length	2022	No
Johnnycake Hollow	WVBST-70-P	pH	Unknown	1.8	Entire length	2022	No
UNT/Big Creek RM 1.98	WVBST-70-W-1-0.7A	CNA-Biological	Unknown	1.1	Entire length	2022	No
UNT/North Fork RM 1.52/Big Creek	WVBST-70-W-1-F-2	Selenium	Unknown	1.1	Entire length	2022	No
Middle Fork/Big Creek	WVBST-70-W-1-G	Selenium	Unknown	1.6	Entire length	2022	No
Road Fork	WVBST-70-W-1-G-1	Selenium	Unknown	1.4	Entire length	2022	No
Horsepen Creek	WVBST-70-W-6	Selenium	Unknown	2.2	RM 1.5 to HW	2022	No
UNT/Horsepen Creek RM 1.48	WVBST-70-W-6-0.5A	Iron	Unknown	0.6	Entire length	2022	No
Big Branch	WVBST-70-X	Iron	Unknown	1.3	Entire length	2022	No
UNT/Davy Branch RM 3.28	WVBST-85-G	Iron	Unknown	0.6	RM 0.3 to HW	2022	No
Laurel Branch	WVBST-99-E	Iron	Unknown	3.2	RM 1.0 to RM 4.2	2022	No
Rockhouse Branch	WVBST-99-F	Iron	Unknown	1.8	Entire length	2022	No
Coalbank Branch	WVBST-99-I	Iron	Unknown	1.0	RM 0.4 to RM 1.4	2022	No
Coalbank Branch	WVBST-99-I	Selenium	Unknown	1.9	Entire length	2022	No
UNT/Coalbank Branch RM 1.43	WVBST-99-I-2	Selenium	Unknown	0.5	Entire length	2022	No
Burk Creek	WVBST-99-K	Selenium	Unknown	2.0	Entire length	2022	No
UNT/Elkhorn Creek RM 20.15	WVBST-99-O.7	Selenium	Unknown	0.8	Entire length	2022	No
Right Fork/Sandlick Creek	WVBST-109-A	CNA-Biological	Unknown	3.0	Entire length	2022	No
UNT/Left Fork RM 0.89/Sandlick Creek	WVBST-109-B-3	Iron	Unknown	1.2	Entire length	2022	No

## WEST VIRGINIA

## New Listings 2016

## WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
UNT/UNT RM 0.01/Left Fork RM 0.89/Sandlick Creek	WVBST-109-B-3-A	Aluminum (d)	Unknown	0.5	Entire length	2022	No
UNT/UNT RM 0.01/Left Fork RM 0.89/Sandlick Creek	WVBST-109-B-3-A	Iron	Unknown	0.5	Entire length	2022	No
UNT/UNT RM 0.01/Left Fork RM 0.89/Sandlick Creek	WVBST-109-B-3-A	pH	Unknown	0.5	Entire length	2022	No
UNT/Sandlick Creek RM 3.00	WVBST-109-D	Selenium	Unknown	1.2	Entire length	2022	No
Harmon Branch	WVBST-113	Selenium	Unknown	3.1	Entire length	2022	No
Leslie Branch	WVBST-114	Iron	Unknown	1.5	Mouth to RM 1.5	2022	No
Leslie Branch	WVBST-114	Selenium	Unknown	2.4	Entire length	2022	No
UNT/Tug Fork RM 146.21	WVBST-114.4	Selenium	Unknown	1.5	Entire length	2022	No
South Fork/Tug Fork	WVBST-115	Selenium	Unknown	5.8	Entire length	2022	No
Tea Branch	WVBST-115-A	Selenium	Unknown	1.1	Entire length	2022	No
McClure Branch	WVBST-115-B	Selenium	Unknown	1.3	Entire length	2022	No
Milam Branch	WVBST-115-C	Selenium	Unknown	1.3	Entire length	2022	No
Jump Branch	WVBST-115-D	Selenium	Unknown	1.7	Entire length	2022	No
Spice Creek	WVBST-115-E	Selenium	Unknown	0.6	RM 3.3 to HW	2022	No
UNT/South Fork RM 5.46/Tug Fork	WVBST-115-I	Selenium	Unknown	1.1	Entire length	2022	No
UNT/UNT RM 0.15/South Fork RM 5.85/Tug Fork	WVBST-115-J-1	Iron	Unknown	1.0	Entire length	2022	No
UNT/Tug Fork RM 148.42	WVBST-115.2	Selenium	Unknown	1.3	Entire length	2022	No
UNT/Tug Fork RM 148.86	WVBST-115.6	Iron	Unknown	0.7	Entire length	2022	No
UNT/Tug Fork RM 148.86	WVBST-115.6	Selenium	Unknown	0.7	Entire length	2022	No
UNT/Tug Fork RM 151.49	WVBST-118.3	Selenium	Unknown	0.5	Entire length	2022	No
UNT/Tug Fork RM 152.09	WVBST-118.7	Selenium	Unknown	0.9	Entire length	2022	No
Puncheoncamp Branch	WVBST-120-B	Selenium	Unknown	2.1	Entire length	2022	No
UNT/Tug Fork RM 154.02	WVBST-120.3	Selenium	Unknown	0.5	Entire length	2022	No
UNT/Tug Fork RM 157.07	WVBST-124	Selenium	Unknown	0.4	Entire length	2022	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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## HYDROLOGIC GROUP D

### GREENBRIER WATERSHED - HUC# 05050003

*3 streams 15 miles*

UNT/Muddy Creek RM 3.14	WVKNG-22-0.5A	Iron	Unknown	1.7	Entire length	2027	No
Howard Creek	WVKNG-25	CNA-Biological	Unknown	11.3	RM 0.3 to RM 11.6	2027	No
UNT/Jericho Draft RM 1.99	WVKNG-25-E-1.6	CNA-Biological	Unknown	1.8	Entire length	2027	No

### LITTLE KANAWHA WATERSHED - HUC# 05030203

*112 streams 630 miles*

Little Kanawha River	WVLK	CNA-Biological	Unknown	45.2	RM 126.8 (Burnsville Dam) to HW	2027	No
Silver Run	WVLKH-1	Fecal Coliform	Unknown	1.6	Entire length	2018	No
Silver Run	WVLKH-1	Iron	Unknown	1.6	Entire length	2018	No
Lyda Run	WVLKH-2	CNA-Biological	Unknown	1.7	Entire length	2018	No
Lyda Run	WVLKH-2	Fecal Coliform	Unknown	1.7	Entire length	2018	No
Gooseneck Run	WVLKH-3	CNA-Biological	Unknown	1.8	Entire length	2018	No
Goose Creek	WVLKH-4	Fecal Coliform	Unknown	1.5	Mouth to RM 1.5	2018	No
Lick Run	WVLKH-4-A	Fecal Coliform	Unknown	2.7	Entire length	2018	No
Second Big Run	WVLKH-4-B	Fecal Coliform	Unknown	2.5	Entire length	2018	No
Oil Spring Run	WVLKH-4-G	Fecal Coliform	Unknown	2.2	Entire length	2018	No
Oil Spring Run	WVLKH-4-G	Iron	Unknown	2.2	Entire length	2018	No
Myers Fork	WVLKH-4-H	Fecal Coliform	Unknown	4.4	Entire length	2018	No
Long Run	WVLKH-4-I	Fecal Coliform	Unknown	2.7	Entire length	2018	No
Short Run	WVLKH-4-J	Fecal Coliform	Unknown	1.8	Entire length	2018	No
Nutter Fork	WVLKH-4-L	CNA-Biological	Unknown	4.1	Entire length	2018	No
Nutter Fork	WVLKH-4-L	Fecal Coliform	Unknown	4.1	Entire length	2018	No
Brushy Fork	WVLKH-4-N	CNA-Biological	Unknown	3.4	Entire length	2018	No
Brushy Fork	WVLKH-4-N	Fecal Coliform	Unknown	3.4	Entire length	2018	No

## WEST VIRGINIA

## New Listings 2016

## WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Layfields Run	WVLKH-4-O	CNA-Biological	Unknown	2.5	Entire length	2018	No
Layfields Run	WVLKH-4-O	Fecal Coliform	Unknown	2.5	Entire length	2018	No
Douglas Run	WVLKH-4-Q	Fecal Coliform	Unknown	2.2	Entire length	2018	No
Rock Run	WVLKH-5	Fecal Coliform	Unknown	0.9	Entire length	2018	No
Rock Run	WVLKH-5	Iron	Unknown	0.9	Entire length	2018	No
Flint Run	WVLKH-8	CNA-Biological	Unknown	3.9	Entire length	2018	No
Flint Run	WVLKH-8	Fecal Coliform	Unknown	3.9	Entire length	2018	No
South Fork/Hughes River	WVLKH-9	Fecal Coliform	Unknown	57.0	Entire length	2018	No
South Fork/Hughes River	WVLKH-9	Iron	Unknown	57.0	Entire length	2018	No
Locust Run	WVLKH-9-A	Fecal Coliform	Unknown	1.7	Entire length	2018	No
Big Island Run	WVLKH-9-C	Fecal Coliform	Unknown	3.4	Entire length	2018	No
Laurel Run	WVLKH-9-F	Fecal Coliform	Unknown	3.4	Entire length	2018	No
Macfarlan Creek	WVLKH-9-G	Fecal Coliform	Unknown	5.8	Entire length	2018	No
Macfarlan Creek	WVLKH-9-G	Iron	Unknown	5.8	Entire length	2018	No
Dutchman Run	WVLKH-9-H	CNA-Biological	Unknown	4.2	Entire length	2018	No
Dutchman Run	WVLKH-9-H	Fecal Coliform	Unknown	4.2	Entire length	2018	No
Indian Creek	WVLKH-9-J	Fecal Coliform	Unknown	19.2	Entire length	2018	No
Indian Creek	WVLKH-9-J	Iron	Unknown	19.2	Entire length	2018	No
Chevaux de Frise Run	WVLKH-9-J-12	Fecal Coliform	Unknown	3.6	Entire length	2018	No
Lick Run	WVLKH-9-J.5	Fecal Coliform	Unknown	1.9	Entire length	2018	No
Lick Run	WVLKH-9-J.5	Iron	Unknown	1.9	Entire length	2018	No
Leatherbark Creek	WVLKH-9-M	Fecal Coliform	Unknown	8.9	Entire length	2018	No
Leatherbark Creek	WVLKH-9-M	Iron	Unknown	8.9	Entire length	2018	No
Owl Run	WVLKH-9-O	Fecal Coliform	Unknown	1.5	Entire length	2018	No
Lamb Run	WVLKH-9-P	Fecal Coliform	Unknown	3.2	Entire length	2018	No
Lamb Run	WVLKH-9-P	Iron	Unknown	3.2	Entire length	2018	No
Grass Run	WVLKH-9-Q	Fecal Coliform	Unknown	7.1	Entire length	2018	No

## WEST VIRGINIA

## New Listings 2016

## WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Spruce Creek	WVLKH-9-R	CNA-Biological	Unknown	9.8	Entire length	2018	No
Spruce Creek	WVLKH-9-R	Fecal Coliform	Unknown	9.8	Entire length	2018	No
Spruce Creek	WVLKH-9-R	Iron	Unknown	9.8	Entire length	2018	No
Right Fork/Spruce Creek	WVLKH-9-R-8	Fecal Coliform	Unknown	1.9	Entire length	2018	No
Left Fork/Spruce Creek	WVLKH-9-R-9	CNA-Biological	Unknown	3.8	Entire length	2018	No
Left Fork/Spruce Creek	WVLKH-9-R-9	Fecal Coliform	Unknown	3.8	Entire length	2018	No
Long Run	WVLKH-9-S	CNA-Biological	Unknown	3.1	Entire length	2018	No
Long Run	WVLKH-9-S	Fecal Coliform	Unknown	3.1	Entire length	2018	No
Jesse Cain Run	WVLKH-9-T	Fecal Coliform	Unknown	1.9	Entire length	2018	No
Smith Run	WVLKH-9-V	Fecal Coliform	Unknown	1.3	Entire length	2018	No
Slab Creek	WVLKH-9-W	Fecal Coliform	Unknown	5.0	Entire length	2018	No
Wolfpen Run	WVLKH-9-W-1	Fecal Coliform	Unknown	2.1	Entire length	2018	No
Left Fork/Slab Creek	WVLKH-9-W-4	Fecal Coliform	Unknown	3.5	Entire length	2018	No
Right Fork/Slab Creek	WVLKH-9-W-5	Fecal Coliform	Unknown	2.3	Entire length	2018	No
Bone Creek	WVLKH-9-X	Fecal Coliform	Unknown	7.8	Entire length	2018	No
Bone Creek	WVLKH-9-X	Iron	Unknown	7.8	Entire length	2018	No
Big Run	WVLKH-9-X-4	Fecal Coliform	Unknown	1.6	Entire length	2018	No
Right Fork/Bone Creek	WVLKH-9-X-5	Fecal Coliform	Unknown	2.2	Entire length	2018	No
Right Fork/Bone Creek	WVLKH-9-X-5	Iron	Unknown	2.2	Entire length	2018	No
Left Fork/Bone Creek	WVLKH-9-X-6	Fecal Coliform	Unknown	2.5	Entire length	2018	No
Left Fork/Bone Creek	WVLKH-9-X-6	Iron	Unknown	2.5	Entire length	2018	No
Otterslide Creek	WVLKH-9-Y	Fecal Coliform	Unknown	4.9	Entire length	2018	No
Turtle Run	WVLKH-9-Z	Fecal Coliform	Unknown	2.1	Entire length	2018	No
Middle Fork/South Fork/Hughes River	WVLKH-9-AA	Fecal Coliform	Unknown	11.0	Entire length	2018	No
Middle Fork/South Fork/Hughes River	WVLKH-9-AA	Iron	Unknown	11.0	Entire length	2018	No
Bear Run	WVLKH-9-AA-2	Fecal Coliform	Unknown	2.5	Entire length	2018	No

## WEST VIRGINIA

## New Listings 2016

## WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Straight Fork	WVLKH-9-AA-4	Fecal Coliform	Unknown	2.5	Entire length	2018	No
Upper Run	WVLKH-9-AA-6	CNA-Biological	Unknown	2.5	Entire length	2018	No
Upper Run	WVLKH-9-AA-6	Fecal Coliform	Unknown	2.5	Entire length	2018	No
White Oak Creek	WVLKH-9-BB	Fecal Coliform	Unknown	1.9	Entire length	2018	No
White Oak Creek	WVLKH-9-BB	Iron	Unknown	1.9	Entire length	2018	No
Poverty Hollow	WVLKH-9-CC	Fecal Coliform	Unknown	2.2	Entire length	2018	No
Clevenger Hollow	WVLKH-9-DD.5	Fecal Coliform	Unknown	1.6	Entire length	2018	No
Holt Run	WVLKH-9-GG.5	Fecal Coliform	Unknown	1.2	Entire length	2018	No
Holt Run	WVLKH-9-GG.5	Iron	Unknown	1.2	Entire length	2018	No
Big Run	WVLKH-9-HH	Iron	Unknown	1.8	Entire length	2018	No
Painter Run	WVLKH-9-MM	Fecal Coliform	Unknown	1.1	Entire length	2018	No
Cain Run	WVLKH-9-OO	Fecal Coliform	Unknown	1.6	Entire length	2018	No
Cain Run	WVLKH-9-OO	Iron	Unknown	1.6	Entire length	2018	No
UNT/South Fork RM 55.73/Hughes River	WVLKH-9-PP	Fecal Coliform	Unknown	0.9	Entire length	2018	No
UNT/South Fork RM 55.73/Hughes River	WVLKH-9-PP	Iron	Unknown	0.9	Entire length	2018	No
North Fork/Hughes River	WVLKH-10	CNA-Biological	Unknown	20.1	RM 35.1 to HW	2018	No
North Fork/Hughes River	WVLKH-10	Fecal Coliform	Unknown	30.0	Mouth to RM 6.9 and RM 32.1 to HW	2018	No
North Fork/Hughes River	WVLKH-10	Iron	Unknown	38.1	RM 17.1 to HW	2018	No
Buffalo Run	WVLKH-10-A	CNA-Biological	Unknown	3.0	Entire length	2018	No
Buffalo Run	WVLKH-10-A	Fecal Coliform	Unknown	3.0	Entire length	2018	No
Gillespie Run	WVLKH-10-C	Fecal Coliform	Unknown	5.2	Entire length	2018	No
Cabin Run	WVLKH-10-E	Fecal Coliform	Unknown	2.3	Entire length	2018	No
UNT/North Fork RM 7.87/Hughes River	WVLKH-10-F.3	Fecal Coliform	Unknown	1.5	Entire length	2018	No
Sheep Run	WVLKH-10-H	Fecal Coliform	Unknown	2.5	Entire length	2018	No

## WEST VIRGINIA

## New Listings 2016

## WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Slaughterhouse Run	WVLKH-10-I.5	Fecal Coliform	Unknown	1.1	Entire length	2018	No
Addis Run	WVLKH-10-J	Fecal Coliform	Unknown	4.5	Entire length	2018	No
Rush Run	WVLKH-10-K	CNA-Biological	Unknown	1.9	Entire length	2018	No
Rush Run	WVLKH-10-K	Fecal Coliform	Unknown	1.9	Entire length	2018	No
Silver Run	WVLKH-10-L	Fecal Coliform	Unknown	2.4	Entire length	2018	No
Wildcat Run	WVLKH-10-M	Fecal Coliform	Unknown	2.5	Entire length	2018	No
Big Run	WVLKH-10-N	CNA-Biological	Unknown	3.0	Entire length	2018	No
Big Run	WVLKH-10-N	Fecal Coliform	Unknown	3.0	Entire length	2018	No
Bonds Creek	WVLKH-10-R	Fecal Coliform	Unknown	16.4	Entire length	2018	No
Bonds Creek	WVLKH-10-R	Iron	Unknown	7.8	RM 8.6 to HW	2018	No
Hushers Run	WVLKH-10-R-1	CNA-Biological	Unknown	7.5	Mouth to RM 7.5	2018	No
Hushers Run	WVLKH-10-R-1	Fecal Coliform	Unknown	9.2	Entire length	2018	No
Hushers Run	WVLKH-10-R-1	Iron	Unknown	9.2	Entire length	2018	No
Comfort Run	WVLKH-10-R-4	Fecal Coliform	Unknown	3.1	Entire length	2018	No
Beech Run	WVLKH-10-R-4-A	Fecal Coliform	Unknown	1.3	Entire length	2018	No
Whiskey Run	WVLKH-10-R-5	CNA-Biological	Unknown	3.4	Entire length	2018	No
Whiskey Run	WVLKH-10-R-5	Fecal Coliform	Unknown	3.4	Entire length	2018	No
UNT/Bonds Creek RM 11.47	WVLKH-10-R-5.7	Fecal Coliform	Unknown	1.8	Entire length	2018	No
McGregor Run	WVLKH-10-R-6	Fecal Coliform	Unknown	1.2	Entire length	2018	No
Big Knot Run	WVLKH-10-R-7	CNA-Biological	Unknown	1.4	Entire length	2018	No
Big Knot Run	WVLKH-10-R-7	Fecal Coliform	Unknown	1.4	Entire length	2018	No
Blacks Run	WVLKH-10-R-8	Fecal Coliform	Unknown	1.5	Entire length	2018	No
Charleys Run	WVLKH-10-R-9	Iron	Unknown	1.4	Entire length	2018	No
Back Run	WVLKH-10-T-1	CNA-Biological	Unknown	3.0	Entire length	2018	No
Back Run	WVLKH-10-T-1	Fecal Coliform	Unknown	3.0	Entire length	2018	No
Stewart Run	WVLKH-10-V	Fecal Coliform	Unknown	3.8	Entire length	2018	No
Cunningham Run	WVLKH-10-W	CNA-Biological	Unknown	2.2	Entire length	2018	No
Cunningham Run	WVLKH-10-W	Fecal Coliform	Unknown	2.2	Entire length	2018	No

## WEST VIRGINIA

## New Listings 2016

## WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Rockcamp Run	WVLKH-10-X	CNA-Biological	Unknown	2.1	Entire length	2018	No
Bunnell Run	WVLKH-10-Y	CNA-Biological	Unknown	3.2	Entire length	2018	No
Bunnell Run	WVLKH-10-Y	Fecal Coliform	Unknown	3.2	Entire length	2018	No
Beason Run	WVLKH-10-AA	Fecal Coliform	Unknown	3.1	Entire length	2018	No
Spring Run	WVLKH-10-BB	CNA-Biological	Unknown	2.7	Entire length	2018	No
Spring Run	WVLKH-10-BB	Fecal Coliform	Unknown	2.7	Entire length	2018	No
Bear Run	WVLKH-10-CC	Fecal Coliform	Unknown	1.0	Entire length	2018	No
Lynncamp Run	WVLKH-10-DD	CNA-Biological	Unknown	4.1	Entire length	2018	No
Lynncamp Run	WVLKH-10-DD	Fecal Coliform	Unknown	4.1	Entire length	2018	No
Cabin Run	WVLKH-10-EE	CNA-Biological	Unknown	5.8	Entire length	2018	No
Cabin Run	WVLKH-10-EE	Fecal Coliform	Unknown	5.8	Entire length	2018	No
Cabin Run	WVLKH-10-EE	Iron	Unknown	2.6	Mouth to RM 2.6	2018	No
Leason Run	WVLKH-10-EE-1	CNA-Biological	Unknown	2.1	Entire length	2018	No
Leason Run	WVLKH-10-EE-1	Fecal Coliform	Unknown	2.1	Entire length	2018	No
Dotson Run	WVLKH-10-FF	CNA-Biological	Unknown	3.4	Entire length	2018	No
Dotson Run	WVLKH-10-FF	Fecal Coliform	Unknown	3.4	Entire length	2018	No
Dotson Run	WVLKH-10-FF	Iron	Unknown	3.4	Entire length	2018	No
UNT/Dotson Run RM 2.17	WVLKH-10-FF-9	Fecal Coliform	Unknown	1.0	Entire length	2018	No
Buck Run	WVLKH-10-GG	Fecal Coliform	Unknown	1.0	Entire length	2018	No
Gnat Run	WVLKH-10-HH	CNA-Biological	Unknown	1.0	Entire length	2018	No
Poplarlick Run	WVLKH-10-II	CNA-Biological	Unknown	0.9	Mouth to RM 0.9	2018	No
Poplarlick Run	WVLKH-10-II	Fecal Coliform	Unknown	2.2	Entire length	2018	No
Haddox Run	WVLKH-10-JJ	CNA-Biological	Unknown	1.0	Entire length	2018	No
Burton Run	WVLKH-10-KK	CNA-Biological	Unknown	1.0	Entire length	2018	No
Burton Run	WVLKH-10-KK	Fecal Coliform	Unknown	1.0	Entire length	2018	No
Marsh Run	WVLKH-10-LL	CNA-Biological	Unknown	1.0	Entire length	2018	No
Marsh Run	WVLKH-10-LL	Fecal Coliform	Unknown	1.0	Entire length	2018	No
Lizzies Roost Run	WVLKH-10-MM	Fecal Coliform	Unknown	1.0	Entire length	2018	No

## WEST VIRGINIA

## New Listings 2016

## WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Reedy Creek	WVLK-25	CNA-Biological	Unknown	22.6	Entire length	2027	No
Johnson Run	WVLK-25-R-2	CNA-Biological	Unknown	1.5	Entire length	2027	No
Left Fork/Reedy Creek	WVLK-25-S	CNA-Biological	Unknown	15.9	Entire length	2027	No
Charles Fork	WVLK-31-Z-1	CNA-Biological	Unknown	4.3	Entire length	2027	No
West Fork/Little Kanawha River	WVLKW	CNA-Biological	Unknown	48.1	Entire length	2027	No
Left Fork/West Fork/Little Kanawha River	WVLKW-31	CNA-Biological	Unknown	14.3	Entire length	2027	No
Annamoriah Run	WVLK-42	CNA-Biological	Unknown	4.1	Entire length	2027	No
Job Run	WVLK-68	CNA-Biological	Unknown	1.7	Entire length	2027	No
Left Fork/Reedy Creek	WVLK-72	CNA-Biological	Unknown	31.7	Entire length	2027	No
Sand Fork	WVLK-86	CNA-Biological	Unknown	18.6	Entire length	2027	No
Indian Fork	WVLK-86-E	CNA-Biological	Unknown	9.9	Entire length	2027	No
Goosepen Run	WVLK-86-E-8	CNA-Biological	Unknown	2.5	Entire length	2027	No

**LOWER NEW WATERSHED - HUC# 05050004***7 streams 26 miles*

Cane Branch	WVKN-2	CNA-Biological	Unknown	2.7	Entire length	2027	No
Wolf Creek	WVKN-10	pH	Unknown	1.9	RM 8.1 to HW	2027	No
UNT/New River RM 21.78	WVKN-18.6	pH	Unknown	1.6	Entire length	2027	No
UNT/Fire Creek RM 1.21	WVKN-19-A	pH	Unknown	1.0	Entire length	2027	No
Dunloup Creek	WVKN-22	CNA-Biological	Unknown	15.8	Entire length	2027	No
UNT/New River RM 28.35	WVKN-22.6	Iron	Unknown	0.6	RM 1.7 to HW	2027	No
UNT/New River RM 28.35	WVKN-22.6	pH	Unknown	2.3	Entire length	2027	No
UNT/Keaton Branch RM 0.82	WVKN-26-P-2	Iron	Unknown	0.7	Entire length	2027	No

## New Listings 2016

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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**MONONGAHELA WATERSHED - HUC# 05020003***1 Lake 1 acres 7 streams 26 miles*

UNT/Scotts Run RM 1.36	WVM-6-0.5A	CNA-Biological	Unknown	2.0	Entire length	2027	No
Westover Park Pond	WVM-7-(L1)	Chlorophyll-A	Unknown	0.9	Entire lake	2027	No
Deckers Creek	WVM-8	pH	Unknown	12.8	RM 11.5 to HW	2027	No
UNT/Deckers Creek RM 18.48	WVM-8-J	pH	Unknown	0.9	RM 0.6 to HW	2027	No
Toms Run	WVM-12	CNA-Biological	Unknown	3.3	Entire length	2027	No
Flaggy Meadow Run	WVM-14	Selenium	Unknown	3.0	Entire length	2027	No
Little Indian Creek	WVM-17-A	Iron	Unknown	2.1	RM 3.5 to HW	2027	No
Harvey Run	WVM-22-L	Selenium	Unknown	1.4	Entire length	2027	No

**UPPER NEW WATERSHED - HUC# 05050002***1 Lake 59 acres 2 streams 5 miles*

Glenwood Park Lake (upper)	WVKNB-12-K-(L2)	Phosphorus	Unknown	59.0	Entire lake	2027	No
Godfrey Branch	WVKNB-28-A	CNA-Biological	Unknown	2.6	Entire length	2027	No
UNT/Crane Creek RM 4.47	WVKNB-30-D.5	pH	Unknown	2.2	Entire length	2027	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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## HYDROLOGIC GROUP E

### BIG SANDY WATERSHED - HUC# 05070204

*1 stream 2 miles*

Balangee Branch	WVBS-5-A.9	CNA-Biological	Unknown	1.6	Entire length	2020	No
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### CACAPON WATERSHED - HUC# 02070003

*1 stream 9 miles*

Moores Run	WVPC-20	CNA-Biological	Unknown	9.2	Entire length	2028	No
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### DUNKARD WATERSHED - HUC# 05020005

*0 streams 0 miles*

No NEW Listings

### LOWER OHIO WATERSHED - HUC# 05090101

*0 streams 0 miles*

No NEW Listings

### TWELVEPOLE WATERSHED - HUC# 05090102

*1 Lake 720 acres 8 streams 18 miles*

Beech Fork Lake	WVO-2-H(L1)	Phosphorus	Unknown	720.0	Entire lake	2028	No
West Fork/Twelvepole Creek	WVO-2-P	Iron	Unknown	5.9	RM 52.5 to HW	2028	No
Turkey Creek	WVO-2-P-29	Iron	Unknown	3.4	RM 1.9 to HW	2028	No
Jacks Fork	WVO-2-P-29-B	Iron	Unknown	1.6	Entire length	2028	No
Breeden Creek	WVO-2-P-36	Iron	Unknown	1.1	RM 2.1 to HW	2028	No
Openmouth Branch	WVO-2-P-37	Iron	Unknown	1.5	RM 0.7 to HW	2028	No
Trough Fork	WVO-2-Q-18-C	CNA-Biological	Unknown	1.7	RM 0.5 to RM 2.2	2028	No
Copley Trace Branch	WVO-2-Q-18-G	Selenium	Unknown	1.9	Entire length	2028	No
UNT/Laurel Branch RM 0.34	WVO-2-Q-30-A	Selenium	Unknown	0.9	Entire length	2028	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
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**UPPER GUYANDOTTE WATERSHED - HUC# 05070101***48 streams 131 miles*

Left Fork/Whitman Creek	WVOG-65-B-2-A	CNA-Biological	Unknown	2.7	Entire length	2019	No
Middle Fork/Island Creek	WVOG-65-G	CNA-Biological	Unknown	5.0	Entire length	2019	No
Middle Fork/Island Creek	WVOG-65-G	Iron	Unknown	2.1	RM 2.9 to HW	2019	No
Pine Creek	WVOG-65-H	Iron	Unknown	3.0	RM 3.4 to HW	2019	No
Cow Creek	WVOG-65-J	Selenium	Unknown	5.9	RM 0.7 to HW	2019	No
Bandmill Hollow (Righthand Fork)	WVOG-68-A	Iron	Unknown	2.3	RM 1.3 to HW	2019	No
UNT/Georges Creek RM 1.50	WVOG-68-H-2	Selenium	Unknown	0.9	Entire length	2019	No
Right Hand Fork/Rum Creek	WVOG-70-A	Selenium	Unknown	4.0	Entire length	2019	No
UNT/Rum Creek RM 1.83	WVOG-70-A.2	Iron	Unknown	1.5	Entire length	2019	No
UNT/Rum Creek RM 1.83	WVOG-70-A.2	Selenium	Unknown	1.5	Entire length	2019	No
Slab Fork	WVOG-70-B	CNA-Biological	Unknown	4.0	Entire length	2019	No
Left Fork/Rich Creek	WVOG-73-A	Selenium	Unknown	2.4	Entire length	2019	No
UNT/Left Fork RM 1.02/Rich Creek	WVOG-73-A-1	Selenium	Unknown	1.0	Entire length	2019	No
Laurel Branch	WVOG-73-D	Selenium	Unknown	0.9	Entire length	2019	No
Buffalo Creek	WVOG-75	Iron (trout)	Unknown	4.6	RM 10.0 to RM 14.6	2019	No
Buffalo Creek	WVOG-75	Selenium	Unknown	0.6	RM 3.2 to RM 3.8	2019	No
UNT/Proctor Hollow RM 0.54	WVOG-75-C.5-1	Iron	Unknown	0.8	Entire length	2019	No
Dingess Branch	WVOG-75-H	CNA-Biological	Unknown	1.6	Mouth to RM 1.6	2019	No
Elklick Branch	WVOG-75-K	Iron	Unknown	2.2	Entire length	2019	No
UNT/Elklick Branch RM 0.89	WVOG-75-K-1	Iron	Unknown	1.2	Entire length	2019	No
Middle Fork/Buffalo Creek	WVOG-75-L-1	Aluminum (d)	Unknown	2.2	Entire length	2019	No
Middle Fork/Buffalo Creek	WVOG-75-L-1	pH	Unknown	2.2	Entire length	2019	No
Huff Creek	WVOG-76	Selenium	Unknown	3.7	RM 10.7 to RM 14.4	2019	No
Beech Branch	WVOG-76-K	Selenium	Unknown	0.6	Mouth to RM 0.6	2019	No

## WEST VIRGINIA

## New Listings 2016

## WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Toney Fork	WVOG-76-L	Aluminum (d)	Unknown	3.2	RM 1.1 to HW	2019	No
Toney Fork	WVOG-76-L	pH	Unknown	4.3	Entire length	2019	No
Rockhouse Creek	WVOG-77	Iron	Unknown	1.9	RM 0.4 to RM 2.3	2019	No
Spring Branch	WVOG-77-A	Selenium	Unknown	1.8	Entire length	2019	No
UNT/Spring Branch RM 0.56	WVOG-77-A-1	Selenium	Unknown	0.7	Entire length	2019	No
Oldhouse Branch	WVOG-77-A.5	Aluminum (d)	Unknown	1.1	Entire length	2019	No
Lick Branch	WVOG-77-B	Selenium	Unknown	0.6	Mouth to RM 0.6	2019	No
Lefthand Fork/Rockhouse Creek	WVOG-77-D	Aluminum (d)	Unknown	1.3	RM 1.1 to HW	2019	No
Lefthand Fork/Rockhouse Creek	WVOG-77-D	Iron	Unknown	2.4	Entire length	2019	No
Lefthand Fork/Rockhouse Creek	WVOG-77-D	pH	Unknown	1.3	RM 1.1 to HW	2019	No
Gilbert Creek	WVOG-89	CNA-Biological	Unknown	7.3	Entire length	2019	No
Gilbert Creek	WVOG-89	Selenium	Unknown	7.3	Entire length	2019	No
Horsepen Creek	WVOG-89-B	Selenium	Unknown	4.3	Mouth to RM 4.3	2019	No
Lower Pete Branch	WVOG-89-B-0.3	Selenium	Unknown	1.1	Entire length	2019	No
Adams Fork	WVOG-89-C.3	Selenium	Unknown	1.4	Entire length	2019	No
Road Branch	WVOG-96-B	Selenium	Unknown	1.6	Entire length	2019	No
Reedy Branch	WVOG-99	CNA-Biological	Unknown	2.8	Entire length	2019	No
White Oak Branch	WVOGC-16-N	CNA-Biological	Unknown	1.9	Entire length	2019	No
Brier Creek	WVOG-110-A	CNA-Biological	Unknown	4.8	Entire length	2019	No
Wolf Pen Branch	WVOG-110-G	CNA-Biological	Unknown	2.8	Entire length	2019	No
Lanes Branch	WVOG-114	Iron	Unknown	1.9	Entire length	2019	No
UNT/Big Branch RM 1.04	WVOG-120-A	Iron	Unknown	0.3	Entire length	2019	No
Little White Oak Creek	WVOG-124-E	Iron	Unknown	1.8	RM 1.4 to HW	2019	No

## WEST VIRGINIA

## New Listings 2016

## WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2014 list?
Sulphur Branch	WVOG-124-E-0.5	Iron	Unknown	2.0	Entire length	2019	No
Payne Branch	WVOG-124-J-1	Iron	Unknown	1.7	Entire length	2019	No
UNT/Payne Branch RM 1.37	WVOG-124-J-1-C	Iron	Unknown	0.4	Entire length	2019	No
Beartown Fork	WVOG-124-N	Iron	Unknown	6.5	Entire length	2019	No
Gooney Otter Creek	WVOG-131-F	Aluminum (trout) (d)	Unknown	6.8	Entire length	2019	No
West Fork/Winding Gulf	WVOG-138-G	pH	Unknown	1.3	RM 1.3 to HW	2019	No
Tommy Creek	WVOG-139-A	Iron (trout)	Unknown	11.3	Entire length	2019	No
Riffe Branch	WVOG-139-B	Iron	Unknown	3.8	Entire length	2019	No

**UPPER OHIO SOUTH WATERSHED - HUC# 05030106***3 Lake 79 acres 4 streams 21 miles*

Bear Rock Lake # 2	WVO-88-D-2-F-(L2)	Chlorophyll-A	Unknown	8.0	Entire lake	2028	No
Bear Rock Lake # 2	WVO-88-D-2-F-(L2)	Phosphorus	Unknown	8.0	Entire lake	2028	No
Dunkard Fork Lake	WVO-88-N-(L1)	Phosphorus	Unknown	49.0	Entire lake	2028	No
UNT/Wharton Run RM 2.01	WVO-88-N-1-C	Iron	Unknown	0.9	Entire length	2028	No
Girty Run	WVO-90-A	Iron	Unknown	0.8	RM 1.2 to HW	2028	No
Souttell Run	WVO-90-B	Iron	Unknown	1.0	Entire length	2028	No
Buffalo Creek	WVO-92	CNA-Biological	Unknown	18.3	Entire length	2028	No
Castleman Run Lake	WVO-92-L-(L1)	Chlorophyll-A	Unknown	22.0	Entire lake	2028	No
Castleman Run Lake	WVO-92-L-(L1)	Phosphorus	Unknown	22.0	Entire lake	2028	No

**WEST FORK WATERSHED - HUC# 05020002***3 streams 4 miles*

Elklick Run	WVMW-7-C	CNA-Biological	Unknown	1	Entire length	2028	No
Pigotts Run	WVMW-12-A	CNA-Biological	Unknown	1	Entire length	2028	No
UNT/Lost Creek RM 8.62	WVMW-26-F	CNA-Biological	Unknown	1.3	Entire length	2028	No